jane l. e

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incoming Sept 2025 National University of Singapore Singapore Assistant Professor in Computer Science · Smart Systems Institute Affiliate 2024 - present Stanford University Stanford, CA Stanford HAI Postdoctoral Fellow National University of Singapore Adjunct Professor · Smart Systems Institute Affiliate Mentor · James Landay 2021 - 2024 University of California, San Diego Design Lab Postdoctoral Fellow in CSE & Cognitive Science La Jolla, CA Mentors · Haijun Xia & Steven Dow 2014 - 2021 Stanford University Stanford, CA PhD in Computer Science · d.school Creativity in Research Scholar Advisors · James Landay & Pat Hanrahan Committee · Maneesh Agrawala, Scott Klemmer & Ge Wang (chair) Dissertation · Artistic Vision: Providing Contextual Guidance for Capture-Time Decisions 2008 - 2012 **Princeton University** Bachelor of Science in Engineering · cum laude Princeton, NJ Advisors · Thomas Funkhouser & Szymon Rusinkiewicz Major · Computer Science Certificate · Applied & Computational Mathematics publications ASSETS 2025 Expanding Norms, Negotiating Bodies: How Artists with Disabilities Perceive and Use Creative Tools Miriam Brody, Izabella Rodrigues, Jane L. E & Jingyi Li. C&C 2024 When to Give Feedback: Exploring Tradeoffs in the Timing of Design Feedback Jane L. E*, Yu-Chun Yen*, Isabelle Pan, Grace Lin, Mingyi Li, Hyoungwook Jin, Mengyi Chen, Haijun Xia & Steven Dow. CSCW 2024 ProcessGallery: Contrasting Early and Late Iterations for Design Principle Learning Yu-Chun Yen*, Jane L. E*, Hyoungwook Jin, Mingyi Li, Grace Lin, Isabelle Pan & Steven Dow. IUI 2024 Jamplate: Exploring LLM-Enhanced Templates for Idea Reflection Xiaotong Xu, Jiayu Yin, Catherine Gu, Jenny Mar, Sydney Zhang, Jane L. E & Steven Dow. Color Field: Developing Professional Vision by Visualizing the Effects of Color Filters UIST 2023 Matthew Beaudouin-Lafon, Jane L. E & Haijun Xia.

♥ CHI 2023

Yining Cao, Jane L. E, Zhutian Chen & Haijun Xia. Best Paper Award

DataParticles: Block-Based and Language-Oriented Authoring of Animated Unit Visualization

^{*} Authors contributed equally

UIST 2021	Dynamic Guidance for Decluttering Photographic Compositions Jane L. E, Kevin Zhai, Jose Echevarria, Ohad Fried, Pat Hanrahan & James Landay.
2021	Artistic Vision: Providing Contextual Guidance for Capture-Time Decisions Jane L. E. Dissertation
CHI 2020	Adaptive Photographic Composition Guidance Jane L. E, Ohad Fried, Jingwan Liu, Jianming Zhang, Radomír Měch, Jose Echevarria, Pat Hanrahan & James Landay.
UIST 2019	Optimizing Portrait Lighting at Capture-Time Using a 360 Camera as a Light Probe Jane L. E, Ohad Fried & Maneesh Agrawala.
CHI 2018	How Teens with Visual Impairments Take, Edit, and Share Photos on Social Media Cynthia Bennett, Jane L. E, Martez Mott, Edward Cutrell & Meredith Morris.
CHI 2018	Understanding the Accessibility of Smartphone Photography for People with Motor Impairments Martez Mott, Jane L. E, Cynthia Bennett, Edward Cutrell & Meredith Morris.
UbiComp 2017	Drone Near Me: Exploring Touch-Based Human-Drone Interaction Parastoo Abtahi, David Zhao, Jane L. E & James Landay.
CHI 2017	Drone & Wo: Cultural Influences on Human-Drone Interaction Techniques Jane L. E, Ilene E, James Landay & Jessica Cauchard. <i>Note</i>
arXiv 2016	Towards a Drone Cinematographer: Guiding Quadrotor Cameras using Visual Composition Principles Niels Joubert*, Jane L. E*, Dan Goldman, Floraine Berthouzoz, Mike Roberts, James Landay & Pat Hanrahan.
UbiComp 2015	Drone & Me: An Exploration Into Natural Human-Drone Interaction Jessica Cauchard, Jane L. E, Kevin Zhai & James Landay. <i>Note</i>
SCA 2015	Automatic Generation of Anatomical Face Simulation Models Matthew Cong, Michael Bao, Jane L. E, Kiran Bhat & Ronald Fedkiw.
	extended abstracts
CogSci 2025	Toward Visual Augmentation to Support Creative Uses of Everyday Objects Libby Ye, Yujie Tao, Ryan Tan, Jane L. E & Sean Follmer. <i>Workshop Poster</i>
SIGCSE 2023	Developing Comic-based Learning Toolkits for Teaching Computing to Elementary School Learners Francisco Casto, Sangho Suh, Jane L. E, Weena Naowaprateep & Yang Shi. <i>Poster</i>
C&C 2019 & UIST 2018	Artistic Vision: Providing Contextual Guidance for Capture-Time Decisions Jane L. E. Creativity & Cognition Graduate Student Symposium Jane L. E. UIST Doctoral Symposium
CHI 2017	Human Perception of Swarm Robot Motion Griffin Dietz, Jane L. E, Peter Washington, Lawrence Kim & Sean Follmer. <i>Late Breaking Work</i>
	magazine articles
XRDS 2023	Exploring the Horizon of Computation for Creativity Sam Bourgault & Jane L. E.
XRDS 2023	Machines as Collaborators for Art and Rituals: An Interview with Sougwen Chung

Jane L. E, Cathy Fang & Sam Bourgault.

book chapters

2021 Designing Photography Guidance for Rapid In-Camera Iteration

Jane L. E & James A. Landay. Design Thinking Research: Understanding Innovation. Springer. 151-165

patents

2021 Adaptive Image Armatures with Interactive Composition Guidance

Radomír Měch, Jose Echevarria, Jingwan Lu, Jianming Zhang & Jane L. E

awards & grants

2024 2023	Invited as a Heidelberg Laureate Forum Young Researcher CHI Best Paper Award
2022	Selected for Rising Stars in EECS Workshop
2021 - 2023	UCSD CSE's Debut Postdoctoral Fellows Program
2018, 2021	Adobe Research Collaboration Grant
2019	Hasso Plattner Institute Design Thinking Research Program
2018 - 2020	Microsoft Research Dissertation Grant
2015, 2017, 2018	The Brown Institute for Media Innovation: Magic Grant · Artistic Vision / Camera Observa / G:Drone
2016	The Brown Institute for Media Innovation: Magic Grant & Fellowship · RoughCut
2015	Microsoft Research Women's Scholarship
2015	NSF GRFP Honorable Mention
2008	Edward J. Bloustein Scholar
2008	West Windsor-Plainsboro High Honor Award, Service Award & PTSA Scholarship Award
2007	1st place in NJIT High School Programming Contest

work experience

Summer 2018 San Jose, CA	 Adobe Research · Emerging Graphics Group Intern · Mentor: Jose Echevarria Designed and implemented in-camera adaptive composition guidance interface in iOS
Summer 2017 Redmond, WA	 Microsoft Research · Research Intern · Mentor: Neel Joshi Designed and implemented drone camera interface using familiar multitouch gestures in iOS Collaborated on design and facilitation of interviews to understand accessibility of mobile photography

Summer 2015 San Francisco, CA Adobe Research · Creative Technologies Lab Intern · Mentor: Floraine Berthouzoz

• Designed and implemented a Unity-based system for previewing and capturing drone shots according to cinematography principles for dialogue scenes

Fall 2012 – 2014 Redmond, WA **Microsoft Corporation** · Software Development Engineer

- Developer on Photos for Windows 8 & 10: main features implemented included rotate and straighten
- Designed and implemented infrastructure / interface for internal feedback tool to assess image analysis algorithms

Spring 2011 – 2012 Princeton, NJ

Princeton Graphics · Undergrad Researcher · Advisors: Thomas Funkhouser & Szymon Rusinkiewicz

- Extended Chen et al.'s work on extracting feature ("Schelling") points on 3D meshes to feature lines
- Led collection and analysis of Mechanical Turk dataset of Schelling lines
- Submitted for junior independent work & senior thesis: Schelling Lines on 3D Surface Meshes

Summer 2010 Redmond, WA **Microsoft Corporation** · Software Development Engineer Intern

• Developer on Photo Gallery: implemented prototype of color filter search and grouping by image similarity (based on a Microsoft Research library)

Summer 2009 Princeton, NJ

Princeton Summer Programming Experiences · Participant

- Implemented handwriting recognition program using neural networks
- Program run by Professor Kevin Wayne for prospective Computer Science students to work with a graduate student mentor on a self-selected project

Summer 2007 Beijing, China

Microsoft Research Asia · High School Research Engineer Intern

 Implemented algorithm to analyze data to differentiate between inline, superscript, and subscript text for the handwritten mathematical formula recognition project

contributions to diversity

2023 - 2024

UCSD Design Lab Impact and Student Culture Organization (DISCO) · Founding Member

UCSD

- · Part of the initial team of Design Lab members working with the director to design and implement programs around building a culture of service and community at the Design Lab
- Co-led initiative to create a mentorship program within the lab

Summer 2021

Learning @ Scale / EMOOCS 2021 · Conference Buddies Co-Organizer

UCSD

UCSD

 Helped organize a new initiative to match first-time conference-goers with more senior attendees (with Armando Fox, Berkeley)

Spring 2021

UCSD CSE Early Research Scholars Program · Application Reviewer

Reviewed essay questions from student applications

Team-based research apprentice experience for underrepresented students early in CS career

Fall 2020

Stanford CS Student-Application Support Program · Application Reviewer

Stanford

- Student-led program to assist underrepresented CS PhD applicants
- Reviewed and gave feedback to PhD applicants on application materials

2020 - 2022

Stanford CS Undergraduate Mentoring Program · Mentor

Stanford

- Student-led program for mentoring underrepresented undergraduates interested in research
- Mentored an undergraduate on college planning and seeking research opportunities

2018 - 2019 Stanford

WiGRAPH Berthouzoz Women in Research Lunch · Student Volunteer [Design & Photography]

- Assisted in contacting panelists and coordinating publicity efforts
- Designed publicity materials, program, and speaker gifts
- Networking lunch at SIGGRAPH hosting a panel of established women in graphics each year; has grown from a small informal gathering to an event with over 100 participants

2017 - 2020

Grace Hopper Conference Career Fair · Student Representative at Stanford Booth

Stanford

- Assisted students in understanding the CS PhD application process
- Reviewed and discussed application materials
- Recommended and helped initiate contact with professors
- Maintained contact with a number of students—one was convinced that she could apply to Stanford after we spoke at the conference and is now there pursuing her PhD

2016 - 2018

Stanford-Berkeley Women in CS / EE Research Meetup · Co-Organizer & Photographer

Stanford

- · Mini conference aiming to strengthen ties between women researchers at Berkeley and Stanford
- Invited keynote speaker, industry research and academia panelists, organized talks and poster sessions, arranged social / networking opportunities
- For more information: https://stanfordberkeleyresearchmeetup.wordpress.com/

Summer 2015 Adobe Research

Girls Who Code · Intern Mentor

Co-mentored one of the high school participants with a full-time Adobe employee

Fall 2015

Castilleja School Girls Hackathon · Design & Tech Mentor

Stanford

· Co-mentored the youngest group (6th grade) in day-long hackathon to design and implement a game

2011 - 2012

Chinese-American Princeton Siblings · Mentor

Princeton

• Mentored a local Chinese-American high school student

institutional service & leadership

2024 – 2025 Singapore	NUS CS PhD Admissions Committee · Faculty Committee Member • Reviewed PhD applications, interviewed candidates, and participated in admissions meetings
Fall 2024 Stanford	Ethics & Society Review · Coordinating Panelist • Ethical reflection process for reviewing Stanford HAI seed grant proposals
Summer 2022 & 2023 UCSD	 UCSD Design Lab Undergrad Summer Research Program · Mentor Mentored several undergraduate students per summer on research projects Led HCI & design career panels / resume workshops for intern cohort
Fall 2021 UCSD	 UCSD Design Lab Research Meeting · Organizer Invited speakers and planned activities / discussion topics for the research lab meetings
Fall 2021 UCSD	 UCSD Design & Innovation Building Spaces Committee · Committee Member Discussed how to shape the framework and procedures for allocating space in the new building with a group of Design Lab faculty, postdocs, and PhD students
2018 – 2019 Stanford	Stanford CS PhD Admissions Committee · Student Committee Member • Reviewed PhD applications and participated in committee-wide admissions meetings
2017 – 2018 Stanford	Stanford HCI Group Lunch · Co-Organizer • Invited speakers and planned discussion topics for the talk series (with Liz Murnane, Dartmouth) • For speakers who were interested, arranged meetings with students and professors in the group
Spring 2016 Stanford	Stanford CS PhD Admit Weekend · Research Area Student Lead • Organized dinner and events for Graphics & HCI PhD admits
2014 – 2016 Stanford	Common Origins Dance Company · Publicity Officer • Designed company gear and publicity materials for workshops and events
2012 – 2014 Microsoft	 Princeton Career Fair · Alumni Recruiter at Microsoft Booth Talked to students about full-time and internship opportunities at Microsoft Reviewed resumes and selected candidates for on-campus interviews Organized and facilitated Microsoft at Princeton Hackathon
2012 – 2014 Microsoft	 Princeton Club of Western Washington · Young Alumni Coordinator Organized mixers and events for recent graduates and interns Featured on the Daily Princetonian and Alumni Association of Princeton University
2008 – 2012 Princeton	 Triple 8 Dance Company · President, Costume Coordinator Designed company gear and coordinated with choreographers to design costumes for each piece Represented our company at meetings with the broader student performing arts community, ran company practices and board meetings, managed logistics for our annual show
2008 – 2010	Princeton Bric-A-Brac Yearbook · Section Editor
2005 – 2008	WWP High School South Yearbook · Editor-in-Chief, Section Editor
	service to profession
2025 - 2026	 CHI 2026 · Associate Chair Subcommittee: Blending Interaction: Engineering Interactive Systems & Tools
2025 - 2026	DIS 2026 · Organizing Committee • Wab Co Chair (with Daniel Buzzo CODE University of Applied Sciences, Berlin)

• Web Co-Chair (with Daniel Buzzo, CODE University of Applied Sciences, Berlin)

2024 - 2026	 Creativity & Cognition 2025 & 2026 · Organizing Committee, Session Chair Graduate Student Symposium Co-Chair (with Steven Dow, UCSD and Lydia Chilton, Columbia) Session Title: Bodies in the Loop
2025	UIST 2025 · Associate Chair
2024 - 2025	 CHI 2025 · Associate Chair, Student Design Competition Reviewer & Judge Subcommittee: Blending Interaction: Engineering Interactive Systems & Tools
2023 – 2024	Creativity & Cognition 2024 · Organizing Committee, Session Chair, DEI Panelist • Maintaining conference website as Web Co-Chair (with Grace Yen, UCSD): http://cc.acm.org/2024 • Session Title: Co-Creation
2023	UIST 2023 · Associate Chair
2023	 XRDS: Crossroads, The ACM Magazine for Students · Summer Issue Co-Guest Editor Invited authors to write articles for special issue: Computer-Aided Media Co-authored an introduction to the topic and invited articles (with Sam Bourgault, UCSB)
2022 - 2023	Creativity & Cognition 2023 · Organizing Committee • Maintained conference website as Web Co-Chair (with Bradley Rey, UBC): http://cc.acm.org/2023
2021 – 2022	 UIST 2022 · Organizing Committee, Associate Chair, Session Chair Designed and maintained conference website, logo, and badges as Web and Design Co-Chair (with Jasper Tran O'Leary, UW): http://uist.acm.org/uist2022/ Session Title: Storytelling and Presentation
2022	 CHI 2022 · Associate Chair, Session Chair Subcommittee: Interacting with Devices Session Title: Creativity Support Tools
2020 - 2021	 UIST 2021 · Organizing Committee, Associate Chair, Session Chair Designed and maintained conference website and logo as Web and Design Co-Chair (with Toby Li Notre Dame): http://uist.acm.org/uist2021/ Session Title: Wrangling Data for Authoring & Analysis
2015 – 2016	CHI 2016 · Student VolunteerVolunteered at PC Meeting and at conference
	invited panels & talks
January 2025	Considering Artistic Vision in Smart Glasses NUS: The 3rd Bootcamp of Future Interaction for Smart Glasses \cdot Host: Nuwan Janaka
October 2024	When to Give Feedback: Exploring Tradeoffs in the Timing of Design Feedback University of Toronto: Dynamic Graphics Project Lab · Host: Sangho Suh
June 2024	DEI Panel Creativity & Cognition Conference · Host: Rocio von Jungenfeld
May 2025 April 2024 April 2024 April 2024 March 2024 March 2024 March 2024	Artistic Vision: Interactive Computational Guidance for Developing Expertise SUTD: Human-Centered AI and the Future of Smart Cities Roundtable · Host: Yow Wei Quin Boston University: Department of Education and Computing & Data Sciences · Host: Beth Warren National University of Singapore: School of Computing · Host: Yi-Chieh Lee University of Southern California: Department of Computer Science · Host: Souti Chattopadhyay Indiana University: Department of Human-Centered Computing · Host: Ming Jiang Cornell University: Department of Information Science · Host: Malte Jung University of Virginia: Department of Computer Science · Host: Seongkook Heo

March 2024 March 2024 February 2024 February 2024	Tufts University: Department of Computer Science · Host: Diane Souvaine & Rob Jacob Oregon State University: School of Electrical Engineering and Computer Science · Host: Mike Rosulek Stevens Institute of Technology: Department of Computer Science · Host: Mark Ho University of Wisconsin-Madison: Department of Computer Sciencey · Host: Yea-Seul Kim
July 2023 June 2023 June 2023 June 2023 May 2023 April 2023 April 2023	Artistic Vision: Providing Contextual Guidance for Creative Tasks University of Washington: DUB Seminar · Host: James Fogarty Tsinghua University: CS HCI Seminar · Hosts: Chun Yu & Shi Yuanchun Fudan University: EDA AI & Math Seminar · Host: Yingzhou Li University of California, Irvine: Informatics Special Talk Series · Host: Stacy Branham University of California, Berkeley: Berkeley Institute of Design Seminar · Host: Jeremy Warner University of Texas, Austin: HCI Seminar · Host: Amy Pavel University of California, San Diego: CSE 191 Interactive Computing Seminar · Host: Mai ElSherief
December 2020 November 2020 June 2020	Artistic Vision: Providing Contextual Guidance for Capture-Time Decisions Adobe: Tech Talk · Hosts: Marc Levoy & Cecilia Zhang Stanford University: CS547 Seminar on People, Computers, and Design · Host: Michael Bernstein University of Toronto: Dynamic Graphics Project Lab · Hosts: Tovi Grossman & Fanny Chevalier
April 2020	Adaptive Photographic Composition Guidance Adobe Research: HCl & Vis Seminar, Adobe @ CHl · Host: Joy Kim
November 2018	Design and Higher Education Panel Artful Design Manifestival · <i>Host: Ge Wang</i>
	teaching experience
Spring 2026	NUS CS6206: Advanced Topics in Human-Computer Interaction · Instructor
Fall 2023	 UCSD COGS120: Interaction Design · Instructor Conceptually-focused introduction to human computer interaction with 200+ students Iterated on lecture topics and course assignments (including introducing a team project) Invited guest speakers to lecture on topics based on class interest Attended discussion sections to provide feedback on student projects
2021, 2022, 2025 2023 2023 2022	Guest Lectures UCSD COGS120 / CSE170: Interaction Design · Instructor: Haijun Xia UCSD DSGN1: Design of Everyday Things · Instructor: Jim Hollan UCSD COGS1: Introduction to Cognitive Science · Instructor: Mary Boyle UCSD DSGN118: Design for Creativity and Productivity · Instructor: Haijun Xia
Summer 2016	Stanford Center at Peking University: Designing Solutions to Global Grand Challenges · Teaching Assistant Instructors: James Landay & Ge Wang • Sole TA for four-week intensive program with students from Stanford and Beijing • Reviewed applications, managed course logistics, mentored student team projects • Arranged company and lab visits (in Beijing and Bay Area) and organized final presentations both at the Stanford Center at Peking University and at Stanford d.school
Spring 2016	Stanford CS107E: Computer Systems from the Ground Up · Teaching Assistant Instructors: Pat Hanrahan, Philip Levis & Dawson Engler • Revised assignments, helped run labs, held office hours, graded assignments and final projects
Fall 2015	Stanford CS147: Introduction to Human-Computer Interaction Design · Head Teaching Assistant Instructor: James Landay • Pan workly studies and TA meetings managed course legistics held office hours graded exams and

• Ran weekly studios and TA meetings, managed course logistics, held office hours, graded exams and

assignments, proctored exam, organized final presentations at Stanford d.school

• Awarded additional stipend for effective performance as head TA of a 200+ student class

peer review

CHI · 2026 [AC], 2025 [AC], 2025 [SDC], 2024**, 2023**, 2022 [AC], 2021, 2019, 2018

UIST · 2025** [AC], 2023* [AC], 2022* [AC], 2021 [AC], 2020, 2019

DIS · 2025*, 2023,

C&C · 2023

SIGGRAPH · 2025, 2022

GI · 2020

HRI · 2020, 2018 **RA-L / ICRA** · 2017

graduate advisees

Izabella Rodrigues [incoming NUS CS PhD]

Bekzat Tilekbay [incoming KAIST CS PhD | coadvised with Juho Kim]

graduate mentees (non-advisees)

Xiyuan Wang [ShanghaiTech University CS Masters | ViSeer Lab]

Yujie Tao [Stanford CS PhD | SHAPE Lab]

Andrea Green [Stanford CEE PhD | Billington Lab]

Elizabeth Childs [Stanford MechE PhD | IxD Lab]

Peinuan Qin [NUS CS PhD | AI4SG Lab]

Danilo Symonette [Stanford CS PhD | IxD Lab]

Julia Markel [Stanford CS PhD | IxD Lab]

Shardul Sapkota [Stanford CS PhD | IxD Lab]

Fuling Sun [UCSD CogSci PhD | Foundation Interface Lab]

Ritik Batra [Cornell Tech InfoSci PhD | Matter of Tech Lab]

Jude Rayan [UCSD CogSci PhD | ProtoLab]

Xiaotong (Tone) Xu [UCSD CogSci PhD | ProtoLab]

Matin Yarmand [UCSD CSE PhD | HXI Lab] · incoming Assistant Professor at UNC Charlotte

Matthew Beaudouin-Lafon [UCSD CogSci PhD | Creativity Lab]

Yining (Rima) Cao [UCSD CogSci PhD | Creativity Lab]

Sharvari Thippanna [UCSD CSE Masters] · Software Engineer at Amazon

Cheng-Yao (Eric) Wang [National Taiwan University CS Masters] · Cornell IS PhD · Research Scienctist at JPMC

undergraduate & high school mentees

Melvin Alvarez [Stanford MechE | SSFP]

Savannah Voth [Stanford English + CS | CURIS]

Gabriella Ugwonali [Stanford Math + CS | CURIS]

Christelle Millos-Lopez [Stanford CS]

Izabella (Bella) Rodrigues [NYU Gallatin] · incoming NUS CS PhD

Brendan Mah [UCSD CSE] · Co-Founder of Al Blocks

Sarah Luo [Purdue CS] · Software Engineer Intern at Google

Mengyi (Hazel) Chen [UCSD CogSci] · UPenn Integrated Product Design Masters

Hyoungwook Jin [KAIST CS | KIXLAB] · KAIST CS Masters · incoming UMich CS PhD

Mingvi Li [UCSD CSE] · Undergraduate Intern at MSR · CSE Undergrad Research Award · Northeastern CS PhD

 $\textbf{Grace Lin} \ [\text{UCSD CogSci}] \cdot \text{Product Designer at Deloitte}$

Isabelle Pan [UCSD CogSci] · Head of Community at Dora

Heidi Chen [Stanford CS] · Software Engineer at Google

Punya Chatterjee [Stanford CS] · Design Prototyper at Apple · Freelance Director & Cinematographer

Michelle Park [Stanford CS] · Rhodes Scholar Finalist · Founder & CEO of Impact Moonshots

Ilene E [WWPHSS High School] · Adobe Research Women-In-Tech Scholar · Software Engineer at Watershed

Kevin Zhai [Stanford Art] · Freelance Film Director & Editor · Founding Engineer at Hamilton Al

^{*}Recognition for outstanding / highly useful review

references

James Landay · Stanford landay @ cs.stanford.edu

Haijun Xia · UCSD haijunxia@ucsd.edu Pat Hanrahan · Stanford hanrahan @cs.stanford.edu

Steven Dow · UCSD spdow@ucsd.edu

Ge Wang · Stanford ge@ccrma.stanford.edu

Jim Hollan · UCSD hollan @ ucsd.edu