At Northwestern University, I hold a joint appointment in the department of EECS and at the Segal Design Institute. Since my arrival at the University I have made a point of engaging in service at the departmental, school, and university levels, as well as engaging in professional service in my fields of research. Below is a summary of my service highlights at the university:

- **Supporting undergraduate CS.** I am committed to supporting the learning experiences of students in computer science in and out of the classroom at Northwestern. My efforts in this regard include (1) formally and informally advising 20–30 undergraduates in EECS each year on courses, internships, and careers; (2) working to improve the Northwestern CS undergraduate curriculum through active involvement as a member of the curriculum committee; (3) designing and creating a modern hackerspace in the sky-bridge between the Ford and Tech buildings by renovating the T-Lab; (4) serving as a judge and mentor at WildHacks, Chicago's largest intercollegiate hackathon; and (5) collaborating with the Garage to run programs and make purchases that support undergraduate-driven innovation.

- **Building community through Design and HCI.** Northwestern hosts a vibrant community of students and faculty who are interested in Design and HCI, but many of whom are homed through different departments and schools and thus interact infrequently. To connect our community and promote opportunities for valuable discussions and collaboration, I have been (1) organizing the Segal Seminar Series to bring in a diverse set of distinguished researchers and design practitioners whose backgrounds are in Design, HCI, AI, Learning Science, Psychology, and Communications; (2) serving on the Segal Research Council and mentoring students through Segal Design Cluster meetings; (3) hosting Pair Research sessions, that connect Design-affiliated students and faculty across departments and schools to help each other with their respective projects and to discuss opportunities for collaboration; and (4) organizing and participating in events and online discussions with HCI students and faculty.

- **Supporting undergraduate research.** Research experiences, communication with faculty, and connections to real world problems can significantly increase student performance and retention, especially among women and underrepresented minority students. I have made supporting undergraduate research a priority by (1) founding and directing the Design, Technology, and Research (DTR) program and hosting studio classes quarterly; DTR has trained 70 students to lead independent research projects (40% of whom are female), and retains most students in research from the time they start to the time they graduate; (2) serving on the Undergraduate Research Grant (URG) committee; I have reviewed 65 independent research grant applications from students; (3) collaborating with Peter Civetta, the Director of the Undergraduate Research Program, to promote undergraduate research in Computer Science and Design; (4) supporting 40 students applying for URG funding, which accounts for over one third of the overall CS total in the past 6 years.

- **Recruiting students and faculty.** I take an active role in recruiting students and faculty to Northwestern. For student recruitment, I helped to revamp the student recruitment process for Computer Science, and have served on the admissions committee for Computer Science, the Technology and Social Behavior (TSB) program and the Computer Science + Learning Sciences program. I actively promote these PhD programs at conferences and participate in on-campus events during visit weekends. For faculty recruitment, I served on the Theory search committee and played active roles in recruiting faculty during recent searches in Databases, Robotics, and for the joint position in CS+Education, and in recruiting teaching faculty.

- **Building CS+X.** Northwestern's CS+X initiative seeks to transform the nature of Computer Science and its impact on other fields. Toward this goal, I have been serving as a member of the CS+X Strategic Planning committee. I most recently led a workshop to develop new CS+X themes and formulate plans for advancing these directions.

- **Serving on Qualifying Exam and Dissertation Committees.** I have served on the committees of the following students: Josh Hibschman (CS, chair), Yongsung Kim (TSB, chair), Mike Greenberg (TSB), Emily Harburg (TSB), Michael Lucas (CS), Prem Seetharaman (CS), and Yi Yang (CS).

Below is a summary of my service highlights in my professional communities:

- **Grow the crowd computing field through conference development + organizing**: Over the years I have been working to build and connect an interdisciplinary research community around human computation and crowdsourcing. Toward this goal, I co-organized the Human Computation (HCOMP) workshop (2011, 2012), developed it into an AAAI conference (2013), chaired the Works-In-Progress and Demo track (2014), co-organized CrowdCamp (2014, 2015), mentored at the Doctoral Consortium (2014, 2015), chaired the Doctoral Consortium (2016), and serve on the HCOMP steering committee (2014 to present). In addition, I had served as an editor and advisor for FollowTheCrowd, a blog that has been chronicling research in crowd computing across disciplines.

- **Program Committees & Reviewing in HCI, Social and Crowd Computing, AI, and the Web.** As an interdisciplinary researcher, I have served as a program committee member and reviewer in numerous top conferences and journals in HCI (CHI, UIST, TOCHI), Social and Crowd Computing (CSCW, HCOMP), AI (AAAI, IJCAI, AAMAS, JAIR, AIJ, ML), and the Web (WWW).

- **Transforming academic conference scheduling for SIGCHI.** I led efforts to transform the conference scheduling process at ACM CHI and ACM CSCW. I led project Cobi, a system and process that engages an entire academic community to contribute to scheduling large conferences. Serving as Scheduling Chair, I worked to deploy Cobi at the largest HCI and social computing conferences (CHI 2013-2015, CSCW 2014-2015). Planning with Cobi, organizers who used to spend 100 hours on scheduling now spent only 5 hours. They resolved hundreds of previously hidden conflicts to produce schedules that better met the wishes, needs, and constraints of many community members. Cobi is now used as the de-facto process and tool for scheduling CHI.

- **Training faculty through Agile Research University.** To broaden the impact of educational efforts through DTR and my research work on Agile Research Studios, I pioneered the Agile Research University (ARU) program, which trains faculty to learn and adapt the ARS model for training their students. The program brings faculty to visit the DTR studio over a three-day period, during which they observe ARS in practice. Visitors: (1) attend studio meetings and SIG meetings, (2) participate in pair research sessions, (3) meet with students, (4) learn about the ARS starter kit; (5) work with me to design their own studio and adapt tools/processes for their use. ARU was successfully piloted last year with 8 current faculty members hosted from Berkeley, MIT, CMU, UCSD, Virginia Tech, Michigan, Northwestern, and NYU.

Further details of my service activities are presented in my CV.