

Jenny T. Liang

Undergraduate Researcher

University of Washington, Seattle, USA

jliang9@uw.edu • www.jennyliang.me

Interests

I'm interested in how developers conceptualize software through design and architecture to engineer scalable, reliable, and secure software systems.

Education

2015 - 2020 **University of Washington, Seattle, Washington**
B.S. in computer science & informatics (GPA: 3.75)
UW Academy Scholar (*university early entrance*)

Research Experience

- 2020 **University of Washington, Information School, Code & Cognition Lab**
Research assistant, advised by Amy J. Ko
Research effects of explicit strategy sharing on novice software developers.
- 2020 **Allen Institute of AI (AI2), MOSAIC Team**
Research intern, co-advised by Swabha Swayamdipta, Chandra Bhagavatula, and Yejin Choi
Project TBD.
- 2019 - 2020 **University of Washington, Computer Science & Engineering, ICTD Lab**
Research assistant, co-advised by Spencer Sevilla and Kurtis Heimerl
Researched viability of community-maintained LTE networks for communities in the developing world.

Publications

- 2019 *Experiences: Design, Implementation, and Deployment of CoLTE, a Community LTE Solution*. Spencer Sevilla, Matthew Johnson, Pathirat Kosakanchit, **Jenny Liang**, Kurtis Heimerl. *Mobicom 2019*.
- 2019 *An All-in-One Community LTE Network*. Spencer Sevilla, Matthew Johnson, Pathirat Kosakanchit, **Jenny Liang**, Kurtis Heimerl. *Mobicom 2019*.

Presentations

- May 2020 **Explicit Programming Strategies**
UW Undergraduate Research Symposium.
- October 2019 **CoLTE, An All-in-One Community LTE Network (Demo)**
Mobicom, Los Cabos, Mexico.

Honors, Recognitions & Scholarships

- 2020 [***UW Computer Science & Engineering Undergraduate Service Award***](#)
Award to recognize outstanding graduating seniors who consistently contributed to the department.
- 2020 [***Husky 100***](#)
Award to recognize 100 UW outstanding students in honor of their contributions to the university.
- 2019 [***Allen Institute of Artificial Intelligence Outstanding Engineer***](#)
Scholarship awarded to an individual based on engineering merit.
- 2019 ***UW CSE SIGCSE Scholarship***
- 2019 ***Denice Dee Denton Scholarship***
- 2019 ***UW CSE Grace Hopper Scholarship***

Industry Experience

- 2019 ***Uber, Developer Experience***
Software engineer intern
Built metrics collection pipeline for Uber's Go Monorepo CI/CD pipeline.
- 2019 ***Apple, Mail***
Software engineer intern
Built full-stack features for Apple Mail on MacOS and iOS using the Apple development ecosystem.
- 2019 ***Microsoft, Personal Bing***
Software engineer intern
Independent study on anomaly detection system for time-series data. Built microservice to localize components of a distributed notifications platform, improving queries per second by 100%.
- 2018 ***Microsoft, Exchange Enterprise Cloud***
Software engineer intern
Built console application to intelligently batch mailboxes for mailbox migrations.
- 2017 ***Microsoft, Workplace Analytics***
Software engineer intern
Built C# to USQL translator for nested queries, joins, aggregate functions, and in-line queries.
- 2016 ***Microsoft, Office 365***
Intern
Developed a web app to enable registration and applications for an internship program.

Teaching Assistantships

- 2020 ***Building Academic Success through Bottom-Up Computing (Intro. to Computer Systems, CSE 390B)***
Professor: Dan Grossman
- 2019 - 2020 ***Software Design & Implementation (CSE 331)***
Professors: Dan Grossman, Hal Perkins
- 2018 - 2019 ***Accelerated Introduction to Programming (CSE 143X), Introduction to Programming (CSE 143)***

Volunteer Experience

- 2020 **Student Advisory Council, Computer Science & Engineering**
Vice Chair
Lead a team of CSE students to direct initiatives to support students in UW CSE such as personal wellness, diversity and equity, and ethics.
- 2019 **Student Advisory Council, Computer Science & Engineering**
Director of Wellness
Direct initiatives to improve mental health support for students in UW CSE.
- 2019 **HuskyTech**
Developer Lead
Lead a team of developers to build software tools and systems for HuskyTech operations.
- 2017 - 2019 **TEDxUofW**
Developer Lead
Lead a team of developers to build a conference website and software tools and systems for TEDxUofW operations.