Haohang Xu

Experience

2017–present   **Software Developer**, New York, NY.

2016   **Software Engineering Intern**, *Facebook*, Menlo Park, CA.
- Implemented quickcam functionality for Facebook.com chat tabs and Messenger.com as a part of the Messenger Core Engagement team, increasing photo and video sends in initial testing.

2015   **Technology Intern**, *Jane Street Capital*, New York, NY.
- Added support for archived code in features of Jane Street's code review system, written in OCaml.
- Implemented a permissions system with support for requests using a simplified LF logical framework.

2014–2017   **Computer Science TA and Peer Tutor**, *Yale Computer Science Department*, New Haven, CT.
- Served on the course staff of Intro to Computing and Programming, Intro to Computer Science, and Data Structures and Programming Techniques.
- Taught sections, held office hours, and participated in weekly teaching team meetings.

2014   **Math Grader**, *Yale Mathematics Department*, New Haven, CT.
- Graded assignments for Discrete Math, providing feedback to professor on common difficulties.

2014–2015   **Software Engineering Intern**, *KVH Industries Inc.*, Middletown, RI.
- Developed live inertial measurement unit northfinding and magnetometer field calibration algorithms in C.
- Improved accuracy and reduced execution time of previous live implementations from minutes to seconds.
- Created a GUI in C♯ to perform live northfinding calculations with 2D and 3D visualizations of results.

2014–2017   **Student Tech Coordinator**, *Yale Student Technology Collaborative, Yale ITS*, New Haven, CT.
- Managed a team of Student Techs to provide client-facing troubleshooting as well as hardware support.

2013   **Founder and Program Leader**, *Girls Leading in Technology to Change Humanity (GLiTCH)*.
- Conceptualized, founded, and organized the first incarnation of GLiTCH, a computer science camp for middle-school girls which is taught entirely by high-school girls.
- Mentored and taught over 40 girls using the animated programming software, Looking Glass.

Technical skills

Proficient   OCaml, Linux, Python, Emacs

Basic   Java, C♯, JavaScript, Rust, Haskell, LaTeX, SQL

Education

2013–2017   **Yale University**, *New Haven, CT*.
B.S. in Computer Science and Mathematics; Cumulative GPA: 3.9; Magna Cum Laude

Honors and Awards

2014   **National Center for Women and Information Technology**.
- 2014 NCWIT Summit Aspirations Ambassador

2013   **National Center for Women and Information Technology**.
- Aspirations in Computing Award winner
- AspireIT Grant pilot program winner

Miscellaneous

2013–2017   **Yale Davenport Pops Orchestra**, *Head Arranger, Concertmaster, Orchestra Manager*.
- Mentored student arrangers through organizing workshops and providing one-on-one feedback.
- Was responsible for shaping the group's musical vision and ensuring the quality of the orchestra repertoire.
- Coordinated personnel and logistics and worked towards increasing the orchestra's online multimedia presence as the Orchestra Manager.