KEYUE BAO

✉ keyue.bao@gmail.com 📞 +1 (646) 476-0820 🔖 keyuebao.me

EXPERIENCES

Tutor, Grader
UCSD Computer Science & Engineering Dept.

📅 Sept 2015 – Current 📍 San Diego, CA

- Assist Prof. Gary Gillespie on Basic Data Structures, Software Techniques Lab and training new computer science tutors
- Help students with Java and C++ implementations of Binary Trees, Hash Tables and Stacks; specifically by holding office hours for debug assistance, grading programming assignments, and proctoring labs

Engineering Practicum Intern
Google

📅 June 2016 – Sept 2016 📍 Mountain View, CA

- Improved iOS interface & workflow for Google Assistant settings
  - Implemented new features, allowing users further customization
  - Updated existing UI to be more aligned with Material Design
  - Improved UX for low-vision users through accessibility cues
- Picked up Objective-C from scratch, refactored for data encapsulation and contributed 10+ CLs of production ready code

Explorer Intern
Microsoft

📅 June 2015 – Sept 2015 📍 Redmond, WA

- Brainstormed and implemented new features from ground up in a team of three on Power BI, a business data visualization platform
- Iterated through a full end to end software development cycle
  - Developed business and PM skills through customer validation by conducting surveys to better perceive user needs, and demoing interactive mock-ups to gather further feedback
  - Developed technical skills through design and implementation of custom designed features, using TypeScript and AngularJS

PROJECTS

PlanIt Triton
University of California, San Diego

📅 Feb 2016 – June 2016 📍 San Diego, CA

- Voted Top Best Project in CSE 110: Software Engineering
- Streamlines the current course enrollment process at UC San Diego through scraping websites and visualizing relevant data
- Served as both the Business Analyst and Backend Engineer
  - Conducted campus-wide research to determine project focus
  - Wrote REST API with custom endpoints using Microsoft Azure

keyuebao.me
Personal Website

📅 Ongoing

- Built open source, pluggable site utilizing Metalsmith and Pug
- Everything is modularized, all files generated using middleware
- Allow easy addition of blog posts by including markdown files

EDUCATION

B.S. in Computer Science
University of California, San Diego

📅 Sept 2014 – June 2018 (expected)
🎓 GPA 3.6, Provost Honors

INTERESTS

iOS Development   Open Source
Backend Development   UX Design

Data Analytics   Machine Learning
Functional Programming

LANGUAGES & TOOLS

Objective-C ●●●●●○
JavaScript ●●●●●○
OCaml ●●●●●○
Git ●●●●●○
Vim ●●●●●○
C, C++ ●●●●○○
Java ●●●●○○
LaTeX ●●●●○○
Haskell ●●●○○○
Verilog ●●○○○○

LEADERSHIP

>_ **Women in Computing**
Public Relations Officer & Secretary

⚙ **Society of Women Engineers**
Treasurer, UC San Diego Chapter

COMMUNITY

</> **Girls Who Code**
Alumna (2013), Panelist (2015)

🏆 **NCAA Div. I Fencing Team**
Competitive travel squad member

🚹 **NCWIT**
Member, Award Application Reviewer

CONFERENCES

Grace Hopper Conference
Google travel grant, 2015 and 2016

Qualcomm Women's Collegiate Conference
Two day experience involving tech workshops, networking, and a Hackathon