

# Emily Liu

SOFTWARE ENGINEER

1601 13th Ave, Apt 309, Seattle WA 98122

☎ 626-608-8891 | ✉ zhifei.e.liu@gmail.com | 💻 emilyliu | 🌐 zfelu

## Work Experience

### Microsoft - Windows QUEST (Quality, Ecosystem, Strategy and Telemetry)

Redmond, WA

SOFTWARE ENGINEER II

July 2016 - PRESENT

- Primary owner of technical engagements with large OEMs (ASUS, Toshiba, Fujitsu)
- Onsite reproduction of bugs for fix development, coordinated Feature Team collaboration, achieved highest bug fix rate on the team (50%+)
- Developed and delivered partner trainings on API usage and Windows Deployment
- Developed and deployed machine learning solution to incoming bug triage
- C#, Power BI

### Institute for Creative Technologies (ICT)

Los Angeles, CA

STUDENT RESEARCHER

Aug. 2015 - May 2016

- Assisted research and development in AI and cognitive science in the realm of VR tutoring programs
- Gathered and analyzed large data sets for publication
- C++, R

### Amazon - AWS Relational Database Systems

Vancouver, BC, Canada

SOFTWARE ENGINEER INTERN

May - Sept. 2015

- Implemented, tested and deployed new API for RDS command line tools that allows users to modify instance snapshots
- Java, JUnit, Oracle SQL and Liquibase, XML, JSON

### Pasadena City College, University of Southern California, Central WA High Schools (TEALS)

Los Angeles, CA; Seattle, WA

SUPPLEMENTARY INSTRUCTION LEADER/TEACHING ASSISTANT

Jan. 2015 - PRESENT

- Planned and led courses for students of wide range of ability: SNAP! for high school students, beginning to intermediate C++ courses, Data Structures, and Intro to Web Dev for college students
- Received Student Leadership Award from PCC school administration
- C++, Java, HTML/CSS, SNAP!

## Publications and Projects

### National Training and Simulation Association

LEARNING, ADAPTIVE SUPPORT, STUDENT TRAITS, AND ENGAGEMENT IN SCENARIO-BASED LEARNING

I/ITSEC 2016

- Research into the efficacy of VR/video game-like tutoring systems. ([bit.ly/2rwwBIA](http://bit.ly/2rwwBIA))

### Apache Opensource

PROTEUS (APACHE DRAT)

Fall 2016

- Developed a GUI wrapper for Apache DRAT that allows for more intuitive use. The tool helps audit opensource projects for legally allowable use.
- D3.js, Java Spring, various Apache projects

### Abilifind

COFOUNDER

Fall 2014 - Spring 2015

- Realizing the limited resources for people living with disabilities, lead frontend and design for a Yelp-esque review site specifically for accessibility-based reviews.
- Java Spring, Foundation, HTML/CSS/JS

## Education

### University of Southern California

Los Angeles, CA

B.S. IN COMPUTER SCIENCE

Aug. 2014 - May 2016

## Languages

C++, Java, C#, Python, HTML/CSS/JS; English, Mandarin Chinese