

# Ivan He

Software Engineer and Data Enthusiast

Phone: (510) - 593 - 8261

Email: Junxuanhe1@gmail.com

## EXPERIENCE

### Advanced Micro Devices, Santa Clara Software Engineering Intern

May 2018 - August 2018

- Developed a statistical model that can detect anomalies within the frame times of a GPU test, and also rank the most significant frames for draw call trace analysis.

### Advanced Micro Devices, Sunnyvale Software Engineering Intern

June 2017 - August 2017

- Debugged and built computer systems from components.
- Implemented Perl automation scripts to test and benchmark GPUs for upcoming video games titles.
- Developed an HTML interpreter while integrating data from separate files and file-types such as .xlsx and graphical images.

## EDUCATION

### University of California, Berkeley — Bachelor's

August 2015 - Current

Major: Cognitive Science

Concentration: Computer Science and Artificial Intelligence

Expected Graduation Date: May 2019

## PROJECTS

### Mobile AR CRISPR — VR@Berkeley

Developed mobile AR-based 3D CAS gene playing cards. Utilized target image tracking through Unity and Vuforia.

### Enigma — Algorithms

Built a simulator for a generalized version of the Enigma encryption machine used in WWII.

### Indecision — Personal

Created a to-do randomizer application built with React and deployed on Heroku.

## SOCIAL

### Linkedin

<https://www.linkedin.com/in/junxuan-he-026355130/>

### Github

<https://github.com/JunxuanH>

### Website

<https://junxuanh.github.io/>

## SKILLS

Front-end web development with React, Bootstrap, and Webpack

Application deployment on Firebase and Heroku

Windows application development with Visual Studios

PSQL and MySQL database development and data mining

## PROGRAMMING LANGUAGES

Java

Python

Javascript

C#