

Kevin (Yi-Fan) Chien

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EDUCATION

University of California, Berkeley

Expected Graduation: May 2020

B.S. in Electrical Engineering and Computer Science

- Overall GPA: 4.0
- Relevant Coursework: Structure and Interpretation of Computer Programs, Data Structures (In Prog.)

EXPERIENCE

Pioneers in Engineering, Berkeley, CA

Aug. 2016 - Present

Website Developer

- Created dynamic website content in HTML, CSS, and Javascript to showcase important information regarding robotics competition for underprivileged high school students.

Software Engineer for Dawn

- Developed for front-end robot software Dawn using React, ES6, and Redux in a small team.
- Wrote comprehensive unit tests for Redux actions and Redux Sagas, finding and fixing bugs.
- Built menu UI and asynchronous features for student code editing interface.

Ironyun, Zhubei, Taiwan

July 2016

Intern in R&D

- Researched data sets for engineers to train deep neural networks with.
- Wrote Python code to splice and reformat videos for testing camera software.

Pacific American School, Hsinchu, Taiwan

July 2016

Robotics Teacher

- Instructed summer program to teach elementary school students robotics using hands-on projects.
- Structured and managed course content, materials, and TAs.

PAS Technology Crew, Hsinchu, Taiwan

Sep. 2015 - May 2016

Founder and Director

- Led meetings and assigned staff roles and projects for school wide technology assistance.
- Built and managed blog where I published and edited staff-written guides.

SKILLS

Programming Languages:

- Proficient in: Python, Java
- Familiar with: HTML, CSS, Javascript, Lua, Scheme, SQL, Swift

Frameworks/Libraries:

- React, Redux, Electron, JQuery, Arduino, Git, Roblox Game Engine

Other Skills:

- Bilingual proficiency in English and Chinese, Adobe Photoshop

PERSONAL PROJECTS

Loop Pedal

Oct. 2016

- Wrote Arduino code for physical switches and Bluetooth integration with an iOS app at CalHacks 3.0.

Sky Explorers

Summer 2014

- Built robot telescope, and programmed its Android app for Bluetooth remote control.
- Won 3rd Place at WRO Taiwan 2014.

Under Cover

Summer 2013

- Built Roblox shooter game with player animations and controls for ducking behind any object.