



Yikai(Kai) Chen

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2020 Graduate | Objective: General Software Development Engineer

EDUCATION

University of California San Diego

Sep 2016 - Jun 2020

Bachelor Computer Science Muir

San Diego

- GPA: 3.6 / 4.0
- Honor: Enter UCSD 2017 Computer Academy Priority Admissions List with GPA 4.0 in the first year.
- Related courses: Software Engineering (CSE 110), etc.

WORK EXPERIENCE

Educational Vision Technology

Jun 2019 - Jul 2019

Intern

San Diego

The company mainly provides classroom recording services. And now has reached cooperation with UCSD, UCLA and other schools.

- Responsible for software maintenance using C++.
- Discuss the algorithm optimization direction and assist with optimization.
- Corporate website: <https://evt.ai/>

Goode Electrical Insulation Materials

Jun 2018 - Aug 2018

Intern

Suzhou

The second-largest company in the electrical insulation industry in Suzhou, providing Tesla and Dyson with car batteries and hair dryers thermal insulation material.

- Leader to use HTML and CSS for company site maintenance modifications.
- Company website: <http://www.goodeeis.com/>

RESEARCH EXPERIENCE

Maya Architectural Project

Mar 2019 -

Researcher

San Diego

- The project aims to complete a handheld real-time imaging scanner that scans ancient buildings in the forest and images them in real-time as 3D models, which can then be converted to VR or AR to save the architectures.
- Mainly designed for Python-based ROS (Robotic Operating System) language. It is necessary to calibrate the Intel T265 and D435 cameras and import the results into the RTABMAP model for compilation. I am mainly responsible for the RTABMAP model application.
- <http://e4e.ucsd.edu/maya-archaeology>

Bridge Business Plan

Mar 2019 -

CTO

San Diego

- Bridge is a startup company that plans to work with five students at the same university. It focuses on helping high school students in China apply for US undergraduate universities.
- Responsible for company software development and direction planning, using node js to develop browser plug-ins, Java and Objective C to develop mobile-side software.
- The prototype will be completed in the second half of the next year.

Personal Best App

Sep 2018 - Dec 2019

Developer

San Diego

- Responsible for APP backend development, using Java language has been Google Fit Api. Designed a login system, step record cloud storage system (using google firebase database).
- <https://github.com/UCSD-CSE-110-Winter-2019/team24>

UCSD Microclimate Study

Mar 2019 - Jun 2019

Team leader

San Diego

- The project uses the temperature and humidity detector to obtain the data and then export it via API (written by node js) and use MySQL to store and integrate the data.
- Responsible for creating web pages (using node js) to view real-time detector data and data for the last three days. Data can be displayed via charts or maps using the Google Maps API.

Pyret

Nov 2018 - Jan 2019

Research Assistant

San Diego

- Assist the professor in fixing bugs in the Pyret language.
- Pyret is a more English-speaking computer language based on the Python language.
- <https://www.pyret.org/>

SKILLS, CERTIFICATIONS & OTHERS

- **Skills:** Java (writing Android app), Python (writing software and using Pandas for data analysis), C++ (writing software), Processing, Javascript and CSS (writing web pages), etc.
- **Certifications:** ROS language learning (Robot Ignite Academy certificate)
- **Languages:** English (TOFEL 103, SAT 2280)
- **Activities:** animating resume (<https://kaiitheguy.github.io/>)