



KEVIN GAO

software developer

ABOUT

Hi! I am a student with coursework and interest in data structures, algorithms, artificial intelligence, probability, system administration, and computer architecture.

AWARDS

Finalist | Siemens Competition in Science, Engineering, and Technology | 2017

Engineered a machine learning pipeline to perform auto-segmentation on microscopy images in order to differentiate blood clots from background noise

WORK EXPERIENCE

TEACHING

UC Berkeley 2019

- CS 61C Tutor. | EECS 16A Group Tutor. | CS 61A Assistant Instructor.

RESEARCH

UC Berkeley Swarm Lab | June 2019 - Present

- Designed, modeled, and currently building an MRI-EEG hybrid scanner for hi-resolution, realtime brain scans
- Currently building a low-cost, Earth's field MRI from scratch using C and Python

CYBERSECURITY EXTERN

Centene Corporation | Jan 2019

Engaged with IT sector and the cybersecurity division about security measures, both technical and social as well as the integration of agile methodology in their jobs

DATA ANALYSIS INTERN

UCSF | June 2017

Performed t-tests, image processing, and visualization on knee cartilage MRI scans

EXTRACURRICULAR

AIRFRAME

Space Technologies and Rocketry Team | Aug 2019 - Present

Planned, designed, and manufactured frame for rocket using OpenRocket, SolidWorks

INFRASTRUCTURE

Pioneers in Engineering | Aug 2018 - Present

Maintain club site's backend, created webapp for robotics competition using NodeJS

HACKATHONS

PAZARIO

AngelHacks | Aug 2019

Implemented a queuing system designed for university office hours; features natural language processing on question inputs and uses Agar.io's video conferencing tech

CHEF SIRI

Cal Hacks | Oct 2018

Created a text-only version of Siri for the express purpose of checking the daily menu of Cal's dining halls, uses Flask and Python BeautifulSoup for web scraping

CONTACT

✉ gaok@berkeley.edu

🌐 supermaltese.github.io

EDUCATION

UC BERKELEY

**ELECTRICAL ENGINEERING &
COMPUTER SCIENCES**
2022

University of California,
Berkeley
GPA: 3.61

SKILLS

FRONTEND

Sass, Jekyll, HTML, CSS

BACKEND

NodeJS, JavaScript, Ruby, Flask,
MySQL

PROGRAMMING

Python, Java, C, Matlab, R

SOFTWARE

Blender, Unity, SolidWorks

MISCELLANEOUS

Unix, Spark,
Chinese (Mandarin)

