

ALVIN GAO

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EDUCATION

University of California, Irvine, Irvine, CA

Expected Graduation: April 2021

Bachelor of Science in Computer Science and Engineering

GPA: 3.699; Dean's List

Completed Coursework: Data Structures, Algorithms, Embedded Systems, Computer Architecture, Operating Systems, Database Management, Concepts of Programming Languages

WORK EXPERIENCE

Ardent Labs, Irvine, CA

September 2018 - Present

Software Developer Intern

- Updated and refactored Ardent Office using modern ES6 features and Google's material-ui, a web app used by office assistants at Ardent Academy to keep track of families, students, trial students, classes, makeup classes, and grades (React, GraphQL)
- Implementing a new feature allowing office assistants to create and edit posts in Ardent HQ, a web app for creation of course curricula, student and classroom management (React, GraphQL)
- Created migration scripts and added new field types in Ardent API, the backend used for Ardent Office and HQ (Node.js, RethinkDB)
- Conducted technical interviews to recruit more interns to the Ardent Office team

Ardent Academy, Irvine, CA

May 2018 - Present

Instructor

- Taught Python 1 to middle school students to help them obtain programming literacy
- Taught high school students data structures and algorithms in Python, C++, and Java for competing in USA Computing Olympiad
- Taught math olympiad in large classrooms (up to 50 students) to compete in math competitions such as the AMC 8

LEADERSHIP EXPERIENCE

UCI Men's Ultimate Frisbee Club, Irvine, CA

September 2016 - Present

Captain/Coach (May 2017 - May 2019)

- Planned and led practices for more than 60 members by communicating with other captains/coaches to achieve higher rankings in tournaments
- Trained committed members through organizing supplemental pod workouts to accelerate player's growth

PERSONAL PROJECTS AND COMPUTER SCIENCE RELATED SKILLS

Hangman on Embedded Device

- Simple hangman project using breadboard, microcontroller, lcd, and keypad in C

Alvinkgao.com (ongoing)

- Portfolio/Personal blog style website created with React
- Hosted on an Apache web server through Linode.com

Programming Languages:

- Most experienced with C++, Java, Python
- Some experience with React, Javascript, HTML, CSS, C