

# BURWIN LIU

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## Education

### University of California, Irvine

June 2022

Bachelor of Science, Computer Science

GPA: 3.91

**Relevant Coursework:** Algorithms and Data structures, Programming in Python, Programming in C++, Artificial Intelligence, Computer Organization, Linear Algebra, Discrete Mathematics

**Honors:** Dean's Honor's List (4 quarters)

## Skills

**Technical Languages:** Python, C++, C, JavaScript, Java

**Skills:** Data Structures and Algorithms, Version Control (Git), Object Oriented Programming, AWS, Linux/Unix, Windows, Relational Databases (MySQL, Postgres), Android Application Development, Web Application Development, Artificial Intelligence

## Hackathon Projects

### HackUCI 2020

February 2020

- Led a team of four in Android development, teaching first time hackers about version control, team-based development, polished essential communication and leadership skills
- Learned about leadership through communicating unfamiliar concepts to first time Hackers

### SDHacks 2019

October 2019

- Used technology to turn photos into usable data for future analysis
- Led a team of three in developing a web application, designing tasks and subdividing the workload
- Inspired hope during times of low morale and boosted productivity to complete the project on time
- Developed back-end server with flask, and deployed with AWS EC2, S3

## Independent Projects

### News-Map

July 2019 – September 2019

Lead Developer, Creator

- Utilizing full-stack development principles, involving SQL and Python on backend with JavaScript and HTML on front end to design an interactive news map
- Integrated various technologies including npm, Flask, Webpack, and Babel
- Nurturing a team of two to assist in development, managing and allocating tasks to each member
- Gathered large amounts of data to input to relational Databases with web-scraping techniques

### JPEG-Viewer

June 2019 - September 2019

Lead Developer, Creator

- Leveraged Django and OpenCV and within two weeks and applied these technologies into a mpeg-2 streaming service
- Enhanced understanding of web-frameworks to augment project development, applying skills learned in class and finding a deeper understanding of technology available to developers
- Developing a website to stream a webcam feed, recording and encoding video to be streamed

## Experience

### Tutor

August 2019 – February 2020

- Taught students' skills in summarizing, problem solving and pattern recognition
- Spent one hour a week to supplement subject learning done in class, improving English-Speaking abilities to conversational English