

3640 S Sepulveda Blvd, Los Angeles, CA 90034

EDUCATION

University of California, Los Angeles, Los Angeles, CA

B.S. in Mathematics of ComputationSep. 2019 - June. 2021

GPA: 3.96 / 4.00

University of California, Davis, Davis, CA

Majored in Computer Science (Transferred Out)

Sep. 2017 - June. 2019

GPA: 3.95 / 4.00

SKILLS & OTHERS

Programming: C++, Python, Javascript, SQL, AWS, Hadoop/Spark, CUDA, Linux **Libraries**: Eigen, Tensorflow, PyTorch, Sciket-learn, Numpy, Scipy, Pandas

Web Development: Frontend Development, nodejs, Nginx, Django

Mathematics: Optimization, Linear Algebra, Numerical Analysis, Probability, Graph Theory

EXPERIENCES

Nokia, Hangzhou, China

SW Engineer Intern

Jul. 2019 - Sep. 2019

- Worked on log analysis toolchains in a distributed environment to boost development efficiency.
- Developed a Python tool that helps analyze tests in a Continuous Integration environment.
- Parsed and analyzed C++ compiler logs and Gerrit log files with Elasticsearch.
- Implemented exception handlers for a module on 5G cells activation and wrote unit tests in gMock.
- Facilitated the test analysis for more than 70 software engineers.

Back-Bandaid, UC Davis

Web Developer Mar. 2019 - Jun. 2019

- Developed Back-Bandaid, a posture correction product, in a quarter-long Product Design course (ENG 002).
- Designed and built a web application with **node**; that supports account creation and order processing.
- Pitched in class for potential investment and ranked Top 3 across all sections.

PIC 40A, UCLA

Reader Sep. 2020 - Dec. 2020

- Read and graded students' homework and quizzes in Web Application.
- Implemented an automatic grading tool for web application homework with Selenium and Pytest.
- Reduced the estimated grading time from 35 to 24 hours.

PROJECTS

Video Games Sales Prediction, UCLA

Predicting global game sales based on crawled data

Jun. 2020 - Sep. 2020

- Implemented the SVD imputation method in a paper in C++ with MKL.
- Implemented and trained prediction models such as Random Forest, Artificial Neural Network, and kNN.

Scvtale, UCLA

A Python library for cryptography

Jan. 2020 - Jun. 2020

• Implemented a variety of algorithms and cryptographic systems and published it on PyPI.

BearMap, UC Berkeley

A mapping service project similar to Google Maps

Jun. 2018 - Aug. 2018

• Built a Java Web Mapping application that performs routing and graph traversal.

EduSearch, UC Davis

A Web Application that collects and presents educational resources for students

Sep. 2018 - Jan. 2019

- Implemented a web crawler for online educational resources with **Scrapy**.
- Built a Web Application with Django as the backend.