

3640 S Sepulveda Blvd, Los Angeles, CA 90034

EDUCATION

University of Illinois Urbana-Champaign, Champaign, Illinois

Master of Computer Science Aug. 2021 - Dec. 2022

GPA: N/A

University of California, Los Angeles, Los Angeles, CA

B.S. in Mathematics of ComputationGraduating in June. 2021

GPA: 3.94 / 4.00

SKILLS & OTHERS

Programming: C++, Python, Javascript, SQL, AWS, Hadoop/Spark, OpenGL, PyTorch, OpenCV, Linux

Web Development: Frontend Development, Node.js, React, Flask, Nginx, PostgreSQL

Computer Science: Operating System, Computer Graphics, Computer Vision, Algorithms, Database **Mathematics**: Machine Learning, Linear Algebra, Numerical Analysis, Probability, Graph Theory

EXPERIENCES

Nokia, Hangzhou, China

SW Engineer Intern

Jul. 2019 - Sep. 2019

- Created a set of 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 ELK stack.
- Facilitated the test analysis for more than 70 software engineers.

Back-Bandaid,

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.js** that supports account creation and order processing.
- Pitched in class for potential investment and ranked Top 3 across all sections.

PIC 40A, UCLA

Reader/Grader Sep. 2020 - Dec. 2020

- Read and graded students' homework and quizzes in Web Application (PIC 40A).
- Implemented an automatic grading tool for web application homework with Selenium and Pytest.
- Reduced the estimated grading time for PIC 40A from 35 to 24 hours.

PROJECTS

Image Stitching.

Create a panorama based on a video or several images

1an. 2021 - Mar. 2021

- Created a web application with Flask that combine images with overlapping areas.
- Implemented the functionality with OpenCV.
- Used algorithms such as SIFT, RANSAC, and image stitching given homography.

When Drones Attack, UCLA (CS 174A)

a TPS game based on WebGL

lan. 2021 - Mar. 2021

- Created a TPS game where users need to protect their houses from the drones with energy bolts.
- Implemented features including collision detection, model gluing, and mouse picking from stratch.

Scytale, 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 (COM SCI 61B)

A mapping service project similar to Google Maps

Jun. 2018 - Aug. 2018

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