

EDUCATION

B.S. Computer Science, UCLA

2017 - 2021 | Los Angeles

GPA: 3.76

Breadth: Management, Mathematics

Notable Coursework: Linear Algebra, Real/Imaginary Analysis, Computer Graphics, AI, CV, ML, Entrepreneurship, Entertainment Design, Graduate Quantum Computing

PROFESSIONAL EXPERIENCE

Production Engineering Intern, Facebook

Jun 2020 - Sep 2020 | Menlo Park

- drove projects independently, worked XFN, and produced high quality 100% test coverage code
- reduced execution time by 60% and memory utilization by 95% for recovery software
- deployed and maintained packages to hundreds of production server racks
- handled 4 oncall shifts, during which I solved critical bugs causing test failure
- modified FB dev infrastructure to make SQLite libraries available to developers company-wide

Editor, Daily Bruin

Jun 2019 - Jun 2020 | Los Angeles, CA

- Plan events and activities to promote team culture and chemistry during COVID-19
- Initiated collaborative projects with Daily Bruin social media and data journalism
- Established Bruinwalk's presence within The Daily Bruin as a brand new section
- Organized recruitment cycle which brought in 10 new developers
- Advocated the team's interests in UI design and Ad placement discussions
- Processed and deployed 70000 grade distribution data points into production

Software Engineering Intern, MemVerge

Jun 2019 - Sep 2019 | Milpitas, CA

- modified Open-source CRIU to achieve zero-write instantaneous process checkpointing and restoration
- Constructed a modular benchmarking test for CRIU on popular database systems.
- Added Jemalloc support to MemVerge's custom memory stack
- Designed a real-time cluster and network management platform to analyze product performance

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AWARDS

SB Hacks IV

2018

Best Typescript App
Best Gesture Recognition App
Best Use of AWS
Best ML App Honorary Mention

SKILLS

Languages

Python, C/C++, Java, Shell, SQL, JS, Makefile

Tools/Frameworks

Django, React, Docker, Git, Mercurial, Linux, NodeJS, Unity, 3DS Max

PROJECTS

Solar Explorer,

<https://solar-explorer.weebly.com/>

A virtual reimagination of the museum experience built on Unity

Image Stitching,

<https://tinyurl.com/rohit-image-stitching> 📄

complete algorithm implementation using Harris corner detections and MOPS descriptors

Joe's Swipe Shack

Pitch for on-campus vending machines focused on sustainability and health through a partnership with UCLA Dining

Diep Learning,

https://github.com/rohittavare/diep_learning

Neuro-Evolution of Augmenting Topologies applied to online multiplayer video game diep.io