

# Shomil Jain

portfolio: [shomil.me](https://shomil.me) • [linkedin](#)/[github](#): shomilj

## EDUCATION

### University of California, Berkeley

Spring 2022

B.S. Electrical Engineering and Computer Science

GPA: 3.7

Regents' and Chancellor's Scholar, Cal Alumni Association Leadership Scholar

Organizations: CS 161 Computer Security (20 hour/week TA), Mobile Developers of Berkeley (React Native Instructor)

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## WORK EXPERIENCE

### Affirm - Software Engineering Intern (Core Platform/Observability)

May 2021 - August 2021

- Architected infrastructure-as-code tooling to configure Elasticsearch/Kibana alerts and dashboards
- Worked with product/platform teams to design configuration and template layer interface for service owners
- Integrated tooling into production systems, reducing monitoring-related failure frequency and total loan volume loss

### Palo Alto Networks - Software Engineering Intern (Prisma Access)

May 2019 - August 2019

- Developed a sequential analysis engine in Python for unsupervised pattern extraction and anomaly detection in logs
- Deployed a Flask-based analysis and visualization tool to drop individual log analysis time for flagship VPN product

### Berkeley SkyDeck - Software Engineering Intern

September 2018 - May 2019

- Architected a scalable fund operations pipeline and data model on Salesforce for deal flow, sourcing, and analysis
  - Created and deployed processes to automate quarterly updates, office hour scheduling, and investor management
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## PROJECTS

### Feeds - React Native/JavaScript, Python

April 2021

A Twitter client featuring an algorithmic app store. Winner of Stanford's hackathon; pitched to Instagram CEO ([DevPost](#)).

### Voiceroom - WebRTC, React, Bootstrap, NodeJS

May 2020 - January 2021

A spatially-aware voice chat web app designed for remote classrooms ([voiceroom.us](#), [Product Hunt](#), [Wall Street Journal](#)).

### Paz/Sona - iOS/Swift, Python, Google Cloud

March 2020 - August 2020

A music-streaming platform focused on restorative music. Designed/launched the startup's iOS app ([portfolio](#), [app store](#)).

### Diversity in EECS @ UC Berkeley - Python, Pandas, Plotly, Flask

August 2020 - October 2020

An interactive article and API endpoint exploring departmentwide admissions data from 2000 to the present ([article](#), [API](#)).

### EECS 101 - React, Redux, Bootstrap

October 2020 - November 2020

A search engine indexing thousands of Piazza and Reddit posts for crowdsourced EECS course advice ([portfolio](#), [project](#)).

### Orbit - React Native/JavaScript (v2), iOS/Swift and Android/Java (v1)

May 2016 - Present

A service-driven platform powering Bear Central, an app in use by over 4,000 Cal students ([portfolio](#), [github](#), [app store](#)).

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## COURSES

**Software and Systems:** Operating Systems, Computer Security, Database Systems, Privacy Preserving Systems, Machine Structures, Data Structures, Structure and Interpretation of Computer Programs, Designing Information Systems

**Theory:** Machine Learning, Artificial Intelligence, Efficient Algorithms, Discrete Mathematics and Probability Theory

**Electives:** Computer Graphics and Imaging, Computational Photography and Computer Vision, Computational Biology