

Vincent Yang

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Experience

Google

Software Engineer

Security; Previously Business Messaging, Expression (Face filters, Stickers, and Minis).

- Reduced eng iteration speed per change from 2+ days to <30 minutes
- Sandboxed microservices to enable A/B testing and integration tests
- Designed/Implemented latency monitoring & associated dashboards to observe selfie filter performance metrics
- Streamlined Mini Stickers' data pushes by automating localization and accessibility verification
- Created a tool to decide if the Expressive Camera library changed enough to warrant releasing a new version

Mountain View, CA

Sept. 2018 – Present

[Golang, Python, Java]

Course Hero

Software Engineer Intern

Full stack development and architecting on the Tutoring Platform

- Architected/integrated context-sensitive notifications for 100% (50k) of tutors to streamline moderation

Redwood City, CA

June 2017 – Sept. 2017

[PHP, Symfony, Doctrine, Docker]

Teradata

Continuous Integration/DevOps Intern

Optimized company-wide CI/CD processes

[ELK, Git, SVN, Jenkins, Travis CI, REST APIs, webhooks, Python, Ansible]

San Diego, CA

June 2016 – Sept. 2016

UC Davis

Instructor

Co-taught/planned/created Cryptocurrency Technologies

[Distributed Consensus, Cryptography, Teaching]

- Taught a class on creating digital currency from cryptographic primitives and distributed consensus protocols

Davis, CA

Jan. 2016 – June 2016

IdentityMind Global

Software Engineering Intern

Security analysis & full stack development in KYC and Anti-Money Laundering

June 2015 – Aug. 2015

[Java, Python, XSS, SQL Injection]

Palo Alto, CA

Education

University of California, Davis

M.S. Computer Science, 4.00/4.00

Blockchain, Computer Security, Statistics, Visualization

Davis, CA

Sept. 2017 – June 2018

University of California, Davis

B.S. Computer Science, 3.51/4.00

Davis, CA

Sept. 2014 – Dec. 2017

Research

National Institute of Standards and Technology (NIST)

Smart Contract Researcher, github.com/yangvincent/smartcontracttester

Jan 2018 – June 2018

Investigated the state of smart contract security

[Solidity, Cryptocurrency, Python, Docker]

- Constructed an aggregating Smart Contract tester for Solidity

Davis, CA

UC Davis Engineering

Graduate Data Science Researcher, github.com/matloff/cdparcoord

Jan. 2017 – Mar. 2018

Researched visualizing multidimensional data with frequency-based parallel coordinates

[R, DataVis, Plotly]

- Created a CRAN package and research paper <https://arxiv.org/abs/1709.00665> with Dr. Norm Matloff

Davis, CA

UC Davis Engineering

Undergraduate Security Researcher

Researched OWASP Top Ten with Dr. Matt Bishop for Intel

Mar. 2016 – Jan. 2018

[Metasploit, nmap, WireShark, XSS, SQL Injection]

Davis, CA

Skills

Programming: Python, Java, JavaScript, Linux

Specialty: Security, Blockchain, Full-Stack WebDev