

Vincent Yang

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Experience

Google

Software Engineer, Tools and Infrastructure

Building tools and infrastructure to improve Expressive Camera

Mountain View, CA

Sept. 2018 – Present

[Python, C++, OpenGL, ML, CV]

Course Hero

Software Engineer Intern

Full stack development and architecting on the Tutoring Platform

June 2017 – Sept. 2017

[Docker, PHP, Symfony, Doctrine]

- Architected/integrated context-sensitive notifications for 100% (50k) of tutors to streamline moderation
- Implemented spam detection to catch fraudulent tutors

Teradata

Continuous Integration/DevOps Intern

June 2016 – Sept. 2016

Optimized company-wide CI/CD processes [ELK, Git, SVN, Jenkins, Travis CI, REST APIs, webhooks, Python, Ansible]

- Built a dash to track 400+ projects for 10,000+ employees using Python, REST APIs, Elasticsearch, Logstash, Kibana
- Automated Jira workflows to track and update bug statuses and related issues with webhooks, REST APIs, Python

UC Davis

Instructor

Co-taught/planned/created Cryptocurrency Technologies

[Python, Distributed Consensus, Teaching]

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

IdentityMind Global

Software Engineering Intern

June 2015 – Aug. 2015

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

[Java, Python, XSS, SQL Injection]

- Developed a web crawler and scraper to fill a MySQL database of 1,000,000+ criminal profiles

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 and investigated the state of Smart Contract Security

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

UC Davis Engineering

Undergraduate Security Researcher

Mar. 2016 – Jan. 2018

Researched OWASP Top Ten with Dr. Matt Bishop for Intel

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

Skills

Programming: Python, Java, C++, JavaScript, jQuery, R, SQL, HTML, CSS

Platforms & Frameworks: Linux, Node.js, Flask, Doctrine, MySQL, MongoDB