Vincent Yang

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Experience

Google   **Mountain View, CA**
Software Engineer   *Sept. 2018 – Present*
Business Messaging. Previously Expressive Camera, Stickers, and Minis.   *[Python, Java]*
- Created infrastructure to support A/B testing and integration testing during release by sandboxing microservices
- 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

Course Hero   **Redwood City, CA**
Software Engineer Intern   *June 2017 – Sept. 2017*
Full stack development and architecting on the Tutoring Platform   *[PHP, Symfony, Doctrine, Docker]*
- Architected/integrated context-sensitive notifications for 100% (50k) of tutors to streamline moderation

Teradata   **San Diego, CA**
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 dashboards to track 400+ projects for 10,000+ employees; automated Jira workflows

UC Davis   **Davis, CA**
Instructor   *Jan. 2016 – June 2016*
Co-taught/planned/created Cryptocurrency Technologies   *[Distributed Consensus, Cryptography, Teaching]*
- Taught a class on creating digital currency from cryptographic primitives and distributed consensus protocols

IdentityMind Global   **Palo Alto, CA**
Software Engineering Intern   *June 2015 – Aug. 2015*
Security analysis & full stack development in KYC and Anti-Money Laundering   *[Java, Python, XSS, SQL Injection]*

Education

University of California, Davis   **Davis, CA**
M.S. Computer Science, 4.00/4.00   *Sept. 2017 – June 2018*
Blockchain, Computer Security, Statistics, Visualization

University of California, Davis   **Davis, CA**
B.S. Computer Science, 3.51/4.00   *Sept. 2014 – Dec. 2017*

Research

National Institute of Standards and Technology (NIST)   **Davis, CA**
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

UC Davis Engineering   **Davis, CA**
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   **Davis, CA**
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, JavaScript, Linux   **Specialty**: Security, Blockchain, Full-Stack WebDev