Vincent Yang

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EDUCATION

UC DAVIS
B.S. in Computer Science
Expected Jun 2018 | Davis, CA
Cumulative GPA: 3.3/4.0
Senior Standing

LINKS

Github:// **yangvincent**
LinkedIn:// **vinyang**

COURSEWORK

GRADUATE
Surveillance Resistant Communications

UNDERGRADUATE
Cryptocurrency Technologies *(Instructor)*
Data Structures & Programming
Algorithm Design
Web Development
Probability & Statistical Modeling
Databases
Cryptography

SKILLS

PROGRAMMING

Proficient:
Python • Java • C++ • JavaScript
HTML/CSS • LaTeX • MySQL • Node.js

Familiar:
C • Bash Scripting • ELK Stack • R

PLATFORMS & FRAMEWORKS
Linux • Meteor • Flask • Vim • Git

BUILD TOOLS
Travis CI • Jenkins • Make

AWARDS

Teradata Annual Intern Hackathon *(1st)*
CITRIS Mobile App Challenge *(2nd)*
Boy Scouts of America *(Eagle Scout)*

EXTRACURRICULARS

Davis Computer Science Club *(Tutor)*
HackDavis *(Developer)*
Delta Sigma Pi *(CTO, Director of Technology)*
Business Career & Networking *(Developer)*
Davis Consulting Group *(VP, Developer)*
TEDxUCDavis *(Web Developer)*

EXPERIENCE

TERADATA | Continuous Integration/DevOps Intern
June 2016 – September 2016 | San Diego, CA

- Developed Continuous Integration/DevOps frameworks with Jenkins, Artifactory, and more to integrate Agile/Scrum for 11,000+ engineers
- Created a site to track projects using Python, TeamCity, and Github REST APIs, MySQL, HTML/CSS, JavaScript, Perl
- Extended svn2git to work for irregular formats with Ansible, Jenkins, Git, Svn
- Utilized ELK Stack to display log data for Github & TeamCity
- Automated Jira workflows with webhooks, REST APIs, MySQL & Python

UC DAVIS COLLEGE OF ENGINEERING | Instructor
January 2016 – June 2016 | Davis, CA

- Co-taught/planned/created **Cryptocurrency Technologies** - a class on creating digital currency from cryptographic primitives and distributed concensus protocols
- Covered advanced topics such as Bitcoin, Bitcoin Lightning, Ethereum, DAO
- Designed & implemented assignments, programs, and grading scripts in Python

IDENTITYMIND GLOBAL | Software Engineering Intern
June 2015 – August 2015 | Palo Alto, CA

- Created a web crawler & scraper in Python with urllib, Scrapy, and BeautifulSoup to fill a MySQL database of criminal profiles
- Tested for cross-site scripting (XSS) attacks and SQL Injections
- Enhanced filtering for Know Your Customer security to increase antifraud & antitheft protection for major banks

RESEARCH

UC DAVIS ENGINEERING | Undergraduate Security Researcher
March 2016 – Present | Davis, CA

- Researching various Network Penetration tools such as Metasploit, nmap, Mutillidae, Wireshark, and Kali Linux with **Matt Bishop**
- Building a set of virtual environments for undergraduates in Computer Security to learn about OWASP Top Ten for UC Davis and Intel

PROJECTS

GRAFIKI | Visualize data on the fly in Slack
July 2016 – September 2016 | code property of Teradata Labs

- Combined Docker, pandas, Python, and Slack to create a bot that visualizes data

YELP & CHILL | Discover new locations from your brick phone
June 2016 – July 2016 | https://yangvincent.github.io/yelp-and-chill

- Employed Python, Yelp/Twilio/Google Directions APIs, Travis CI & Heroku to enable brick phone users to discover new destinations

PREDICT ELECTIONS | Predicted the 2016 California Primary
April 2016 – May 2016 | https://predict-elections.herokuapp.com

- Utilized Huffington Post API, Node.js, sqlite, JavaScript, HTML5, CSS3, D3.js

POWER GRID LOAD BALANCER | Balance energy distributions
April 2015 – May 2015 | code available upon request

- Applied BFS to find the optimal energy distribution with backflow optimization
- Transformed multiple source/sink graph to min-energy max-flow by adding dummy source/sink