Vincent Yang

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SKILLS

PROGRAMMING

Proficient:
Python • Java • C++ • JavaScript
HTML • CSS • LaTeX • MySQL

Familiar:
C • Bash Scripting • ELK Stack • R

PLATFORMS & FRAMEWORKS

Linux • Meteor • Flask • Node.js

USEFUL TOOLS

Travis CI • Jenkins • Make
gdb • JUnit • nose • Vim

LINKS

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

EDUCATION

B.S. IN COMPUTER SCIENCE

UC Davis
Expected Jun 2018 | Davis, CA
Cumulative GPA: 3.32/4.0
Senior Standing

COURSEWORK

GRADUATE

Surveillance Resistant Communications

UNDERGRADUATE

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

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)*
Business Networking Club *(Developer)*
Davis Consulting Group *(VP, Developer)*
Davis Wing Chun
Circle K International

EXPERIENCE

COURSE HERO | FULL STACK SOFTWARE ENGINEER INTERN

Upcoming Summer 2017 | Redwood City, CA

- Full stack development with Linux, Apache, MySQL, PHP, Python, React

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 and implemented assignments, programs, and grading scripts in Python

IDENTITYMIND GLOBAL | SOFTWARE ENGINEERING INTERN

June 2015 – August 2015 | Palo Alto, CA

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

RESEARCH

UC DAVIS ENGINEERING | UNDERGRADUATE SECURITY RESEARCHER

March 2016 – Present | Davis, CA

- Researching OWASP Top Ten with various Network Penetration tools such as Metasploit, nmap, Mutillidae, Wireshark, and Kali Linux under **Matt Bishop** 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, and Heroku

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

- Transformed multiple source/sink to min-energy max-flow graph for BFS