Vincent Yang

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SKILLS

PROGRAMMING

Proficient:
Python • Java • C++ • JavaScript
MongoDB • MySQL • PostgreSQL
SQLite • HTML • CSS

Familiar:
R • Bash Scripting • C
Logstash • ElasticSearch • Kibana

PLATFORMS & FRAMEWORKS

Linux • Meteor • Flask • Node.js • jQuery

USEFUL TOOLS

Travis CI • Jenkins • Make • LaTeX
gdb • JUnit • nose • Vim • Heroku
Metasploit • WireShark • Nmap

LINKS

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

EDUCATION

B.S. IN COMPUTER SCIENCE

UC Davis
Expected June 2018 | Davis, CA
Cumulative GPA: 3.32/4.0

COURSEWORK

GRADUATE

Surveillance Resistant Communications

UNDERGRADUATE

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

AWARDS

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

EXTRACURRICULARS

Davis Computer Science Club *(Tutor)*
HackDavis *(Developer)*
Davis Consulting Group *(VP, Developer)*

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

- 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
- Built a dash to monitor Github & TeamCity with Elasticsearch, Logstash, Kibana
- 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 Pentest tools such as Metasploit, nmap, Mutillidae, Wireshark, and Kali Linux under **Matt Bishop** for UC Davis and Intel

UC DAVIS ENGINEERING | Undergraduate Researcher

January 2017 – Present | Davis, CA

- Visualizing multidimensional data for CRAN Package freqparcoord

PROJECTS

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

YELP & CHILL | Discover new locations from your brick phone

June 2016 – July 2016 | http://www.yangvincent.com/yelp-and-chill

- Employed Python, Yelp/Twilio/Google Directions APIs, Travis CI, and Heroku

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