Vincent Yang

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SKILLS

PROGRAMMING
Proficient:
Python • Java • C++ • JavaScript
jQuery • HTML • CSS

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

PLATFORMS & FRAMEWORKS
Linux • Meteor • Flask • Node.js • MySQL
MongoDB • PostgreSQL • SQLite

USEFUL TOOLS
Travis CI • Jenkins • Git • LaTeX
gdb • nose • Vim • Heroku
Metasploit • WireShark • Nmap

EDUCATION

M.S. IN COMPUTER SCIENCE
UC Davis
Incoming Dec 2017 | Davis, CA
Focus in Computer Security

B.S. IN COMPUTER SCIENCE
UC Davis
Expected Dec 2017 | Davis, CA
Cumulative GPA: 3.4/4.0

COURSEWORK

GRADUATE
Surveillance Resistant Communications

UNDERGRADUATE
Cryptocurrency Technologies *(Instructor)*
Algorithm Design
Data Structures & Programming
Databases
Networks
Cryptography

AWARDS

Google Games 2017 *(1st)*
Teradata Annual Intern Hackathon *(1st)*
HackDavis Best Use of Amazon Alexa *(2nd)*
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 400+ projects using Python, TeamCity, and Github REST APIs, MySQL, HTML/CSS, JavaScript, Perl
- Extended svn2git with Ansible, Jenkins, Git, Svn for 11,000 employees
- 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 5 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 1,000,000+ criminal profiles
- Tested for cross-site scripting (XSS) vulnerabilities and SQL Injections

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 **Dr. Matt Bishop** for UC Davis and Intel

UC DAVIS ENGINEERING | Undergraduate Researcher
January 2017 – Present | Davis, CA
- Visualizing multidimensional data for CRAN Package freqparcoord under **Dr. Norm Matloff**

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