

VINCENT YANG

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EDUCATION

University of California, Davis

B.S. Computer Science

Cumulative GPA: 3.3/4.0

Davis, CA

Expected Graduation: June 2018

Notable Courses: Cryptocurrency Technologies (Instructor), Surveillance Resistant Communications, Data Structures and Programming, Algorithm Design, Web Development, Probability and Statistical Modeling, Databases, Cryptography

SKILLS

Proficient with: Java, Python, C++, Git, HTML/CSS, JavaScript/JQuery, Linux

Experience with: MySQL, Node.js, Meteor, C, ELK Stack, sqlite, Bash Shell Scripting, R

EXPERIENCE

Teradata

Software Engineering Intern

San Diego, CA

Jun 2016 – Sept 2016

- Developing Continuous Integration/DevOps frameworks with **Jenkins**, **Artifactory**, and more to integrate Agile/Scrum
- Created a site to view projects using Python, TeamCity and Github REST APIs, MySQL, HTML/CSS, **JavaScript**, Perl
- Extended svn2git functionality for custom irregular formats with **Ansible**, **Jenkins**, **Git**, **Svn**
- Utilized ELK Stack to display log data for **Github** and **TeamCity** with Jira/internal tools integration
- Automated Jira workflows with Jira webhooks, **REST API**, **MySQL**, and **Python**
- Won **first place** in Teradata's Annual Intern Hackathon by making a Slack bot that graphs input sets of data
- Participated in daily Scrum stand-ups, bi-weekly sprints and regular code reviews in order to efficiently meet objectives

UC Davis College of Engineering

Undergraduate Researcher

Davis, CA

Apr 2016 – Present

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

UC Davis Computer Science Department

Instructor – Cryptocurrency Technologies

Davis, CA

Mar 2016 – Jun 2016

- **Co-taught**/planned a class on creating digital currency from cryptographic primitives and distributed consensus protocols
- Covered strengths, weaknesses, and underlying functionalities of advanced topics such as Bitcoin, Bitcoin Lightning, Ethereum, Namecoin, Litecoin, and the DAO
- Designed and implemented assignments, programs, and grading scripts in **Python**

IdentityMind Global

Software Engineering Intern

Palo Alto, CA

Jun 2015 – Aug 2015

- Created a web crawler & scraper in **Python** with urllib, Scrapy, and **BeautifulSoup** to fill a **MySQL** database of criminals
- Tested for cross-site scripting (**XSS**) attacks and **SQL Injections** to eliminate security flaws
- Improved UI/UX with Vaadin 7, **Java**, and **Git** to maintain consistent look and feel
- Enhanced filtering for Know Your Customer security to increase antifraud/antitheft protection for major banks

PROJECTS

Yelp and Chill | <https://yangvincent.github.io/yelp-and-chill>

Jul 2016 – Jul 2016

- Employed **Python**, Yelp/Twilio/Google Directions **APIs**, **Travis CI**, and **Heroku** to enable non-smartphone users to discover new destinations

Predict Elections | <https://predict-elections.herokuapp.com>

Apr 2016 – May 2016

- Predicted the 2016 California Primary results with Huffington Post API, Node.js, **sqlite**, JavaScript, HTML5, CSS3, D3.js

Power Grid Load Balancer | available upon request

Apr 2015 – May 2015

- Applied Breadth First Search to find the optimal distribution of energy in a power grid with backflow optimization
- Transformed a multiple-source multiple-sink graph to a min-energy max-flow by adding a dummy sink and source node

INVOLVEMENT

CS Club (Tutor), Delta Sigma Pi (CTO), HackDavis (Web Developer), TedxUCDavis (Developer), Davis Consulting Group (VP)