

# Vincent Yang

US Citizen | vinyang@ucdavis.edu | 408.203.2094 | <https://yangvincent.github.io>

## SKILLS

### PROGRAMMING

Proficient:

Python • Java • C++ • JavaScript  
HTML/CSS •  $\text{\LaTeX}$  • 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](https://yangvincent.github.io)

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 (*1<sup>st</sup>*)

CITRIS Mobile App Challenge (*2<sup>nd</sup>*)

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

### 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 consensus 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) vulnerabilities and SQL injections
- Enhanced filtering for KYC to increase antifraud & 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 & 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

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