VINCENT YANG

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EDUCATION

University of California, Davis
B.S. Computer Science; B.A. Economics — Davis, CA
Cumulative GPA: 3.3/4.0 — Expected Graduation: June 2018

Notable Courses: Cryptocurrencies (Instructor), Surveillance Resistant Communications, Data Structures and Programming, Algorithm Design, Web Development, Probability and Statistical Modeling for Computer Science, Cryptography

SKILLS

Proficient with: Java, Python, C++, Git, HTML/CSS, JavaScript/JQuery, Linux
Experience with: MySQL, Node.js, Meteor, C, ELK Stack, Bash Shell Scripting, R

EXPERIENCE

Teradata — San Diego, CA
Software Engineering Intern — *Jun 2016 – Present*
- Developing Continuous Integration/DevOps frameworks with Docker, Kubernetes, and more to integrate Agile/Scrum
- Created a site to view project data using Python, TeamCity and Github 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
- Participated in daily Scrum stand-ups and bi-weekly sprints in order to efficiently meet objectives

UC Davis College of Engineering — Davis, CA
Undergraduate Researcher — *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

IdentityMind Global — Palo Alto, CA
Software Engineering Intern — *Jun 2015 – Aug 2015*
- Internationalized Java production code to work seamlessly in various countries such as China to increase abstraction
- Created a web crawler and scraper in Python with urllib, Scrapy, and BeautifulSoup with json and XML records to fill a MySQL database of known criminal profiles
- Tested for cross-site scripting (XSS) attacks and SQL Injections to eliminate security flaws
- Improved UI/UX with Vaadin 7 and Java through maintaining consistent look and feel while removing inconsistencies
- Collaborated using Git source control and Agile/Scrum methodology to improve efficiency

PROJECTS

Yelp and Chill | https://yangvincent.github.io/yelp-and-chill — *Jul 2016 – Jul 2016*
- Designed and implemented a program to allow non-smartphone users to discover new locations and events
- Employed Python, Yelp and Twilio APIs, Travis CI, and Heroku to provide global, 24/7 access and extensive capabilities

Predict Elections | https://predict-elections.herokuapp.com — *Apr 2016 – May 2016*
- Predicted the 2016 California Primary's results with Huffington Post API, Node.js, sqlite, JavaScript, HTML5, CSS3, D3.js

Delta Sigma Pi Website (Nu Rho Chapter) | https://www.dsp-nurho.com — *Dec 2015 – Feb 2016*
- Rebuilt the website for Delta Sigma Pi – Nu Rho from scratch with HTML/CSS, JQuery, JavaScript, and Bootstrap
- Led and mentored a team of 6 in front-end development and collaboration with Github

FUNIX | available upon request — *Jan 2015 – Feb 2015*
- Created a Linux file system in C and C++ using OOP with mv, cp, cd, ls [-al], mkdir, rm, rmdir, chmod, chown, and pwd

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 (Director of Technology), TedxUCDavis (Webmaster), Davis Consulting Group (Consultant)