VINCENT YANG

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E D U C A T I O N

University of California, Davis
Bachelor of Science in Computer Science; Bachelor of Arts in Economics   Davis, CA
Cumulative GPA: 3.2/4.0   Expected Graduation: June 2017

E X P E R I E N C E

IdentityMind Global   Palo Alto, CA
Software Engineering Intern   *Jun 2015 – Aug 2015*
- Internationalized production code to work seamlessly in various countries such as China to increase abstraction
- Debugged various bugs and added features, often utilizing Java, Ant, Linux, MySQL, Redis, Jersey REST API, Vaadin, Redmine, and Jenkins automation server to optimize overall progress and improve the web interface
- 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
- Collaborated with 8+ team members through Git source control and Agile/Scrum to improve efficiency

University of California, Davis Office of Medical Education   Sacramento, CA
IT Technician   *Oct 2015 – Present*
- Diagnose a wide variety of hardware and software issues across OSX, iOS, Windows 7, 8, 10
- Repair and secured devices for medical students, staff, and deans with Ghost, Dell Data Protection, Time Machine, etc.
- Streamline operations by recreating instructions for reprogramming clients' computers

P R O J E C T S

International Business Fraternity, Delta Sigma Pi – Nu Rho Website | www.dsp-nurho.com   *Dec 2015 – Present*
- Rebuilt the website for Delta Sigma Pi – Nu Rho from scratch with HTML/CSS, JQuery, Javascript, and Bootstrap
- Integrated a Parse backend for user accounts and user-specific customizations
- Implemented a responsive Calendar through Ajax with Google Calendar and FullCalendar.io
- Collaborated with the Design Team while teaching another member HTML/CSS and Git

FUNIX | https://github.com/YangVincent/ECS-40/tree/master/p6   *Jan 2015 – Feb 2015*
- Created a C and C++ program that mirrors a Linux file system with mv, cp, cd, ls [-al], mkdir, rm, rmdir, chmod, and pwd
- Utilized Object Oriented Programming to maximize code efficiency while maintaining program structure

Domination | https://github.com/YangVincent/Domination   *Apr 2012 – May 2012*
- Built a two-player game with sprites and multithreading in Java where players attempt to infiltrate the opponent's base
- Designed a complete UML diagram to tactfully plan out the structure with optimal scalability with VioletUML
- Employed panel switching through CardLayout, Object Oriented Programming, and XML
- Produced an in-game store and money system, cheats, power-ups, and more in Java

Huffman Encoding | https://github.com/YangVincent/ECS-60/tree/master/p4   *Mar 2015 – Apr 2015*
- Implemented Huffman Encoding Compression and LZW compression in C++ to compress a variety of file types
- Utilized bitwise shifting and Min-Heaps to build up a Huffman Tree for encoding and decoding

Lempel Ziv Welch| https://github.com/YangVincent/FileZip   *Mar 2012 – Apr 2012*
- Achieved second place in a Data Compression competition with my implementation of LZW in Java
- Incorporated HashMaps to dynamically store dictionaries for compression as a high school student

A D D I T I O N A L   I N F O R M A T I O N

Skills: Java, C++, Python, Git, HTML/CSS, MySQL, JavaScript, C, MatLab, Latex, R
Platforms and Programs: OSX, Windows 7, Windows 10, Ubuntu, XCode, IntelliJ, Eclipse, Netbeans, Vim
Notable Courses: Cryptocurrencies (Instructor), Surveillance Resistant Communications, Data Structures and Programming, Probability and Statistical Modeling for Computer Science, Cryptography 1
Involvement: Computer Science Club (Tutor), Delta Sigma Pi (Director of Technology), Davis Consulting Group (Consultant)