

KANCHANAK KHAT

Bay Area, CA

Education

B.S. Computer Science
San Jose State University - San Jose, CA

December 2020

Technical/Other Skills

Java, PHP, Python, JavaScript, HTML/CSS, SQL (MySQL & SQLite), Eclipse IDE, Visual Studio Code, Virtual Box, WordPress

Languages: fluent in Khmer and English

Work Experience

WordPress Freelancer, Venture Management Group – Contract Work *May 2021*

- Designed, built and published professional website for a business consulting firm - [Venture Management Group](#) - using WordPress based on client's requirements
- Used WordPress's theme to customize the styling on pages with the implementation of CSS code

Teaching Assistant, CodePath.org University – Remote Work *February 2021 – March 2021*

- Assisted and guided students with rigorous explanations for lab challenges, CTF assignments or other technical concerns related to Cybersecurity course and collaborated with others as a team to address issues from students

Engineering Lab Assistant & Grader, Evergreen Valley College – San Jose, CA *September 2015 – May 2018*

- Troubleshoot and updated computer software based on outlined procedures and assisted lab technician assembling Arduino components for Engineering coursework and IT specialist in finding technical issues

Projects

Mini Web Alumni Tracker *May 2021 – Present*

Independent

- Building small web application that manages a list of alumni's details in which it can be used to add more users, view/delete/search their info
- Developing on Eclipse IDE using Java (OOP), Spring MVC and Hibernate, MySQL (MySQL workbench) HTML/CSS

School Resources Review Web Application *SJSU, Fall 2020*

Team, Software Engineering Coursework

- Worked with an agile team of 5 to construct a web application to allow SJSU students to search and share info on school resources by implementing main features such as keywords search box, filter, star ratings, comment section, cluster map
- Used: JavaScript, HTML/CSS, Node.js, Express.js, MongoDB

Malware Classification *SJSU, Fall 2020*

Independent, Introduction to Machine Learning with Applications in Information Security Coursework

- Created preprocessing program and HMM model in Java to convert opcodes from Zeroaccess, Winwebsec, Zbot to unique characters to classify them using SVM as a meta-classifier
- Used Python on Jupyter Notebook to experiment trained model and applied AUC scores

Decryptoid *SJSU, Spring 2020*

Team, Server Web Programming Coursework

- Collaborated in a team of 4 to build web application featuring functions to encrypt and decrypt their inputs through file upload form or textbox, using cipher methods such as substitution, RC4, Double Transposition and DES
- Used: PHP, HTML, SQL (MySQL), Eclipse IDE

Activities

CodePath.org University (Nonprofit College Bootcamp): Cybersecurity Certificate *August 2020 – November 2020*

- Intercepted and observed a website's HTTP request traffic on Security Shepherd by utilizing knowledge of XSS, SQL Injection, IDOR, Broken Session Management, and created several honeypots on VM to find exploits
- Used: BurpSuite, Debian Linux, WPScan (searched for vulnerabilities on old WordPress version)