Katelynn Hernandez

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EDUCATION

University of Houston, Houston, TX   Graduation 2022
- *BA in Chinese Studies, Minor in Computer Science*
- *Relevant Coursework: Data Structures and Programming Algorithms, Computer Organization and Architecture, Operating Systems, Digital Image Processing, Real Time Systems & Embedded Functions, Internet Application Development, Business Chinese, Public Speaking in Chinese, Advanced Mandarin Chinese(highest level)*
- *Awards: Deans List, Sino-USA Chinese Excellence Award, placed 5th in Katis Coding Competition*

TECHNICAL SKILLS

- *Computer Languages:* Python, Javascript, C#, C++, SQL, HTML, CSS, XML, Swift, CL Scripting, BASH
- *Tools:* Tensorflow, Pandas, NumPy, PyTenable, Git, DynamoDB, MySQL, Xcode, Visual Studio, PowerBI, Power Automate, Excel, Burp Suite, Code Profiler, Tenable.io, ServiceNow, Active Directory, Kali Linux Suite, MetaSploit, NMap, Wire Shark, Splunk, SSH, PostMan API, AWS, Git
- *Skills:* Application Security, Cyber Security, Enterprise-Level Platform Integration, Automation of Asset/Vulnerability Management, Identity & Access Management, Security Event Management, IT Operations, Project Leadership, Data Analysis, Data Visualization, Data Engineering/Cleaning, Strategic Trading Systems, Machine Learning, database administration

WORK EXPERIENCE

Aramco, Houston, TX   Sept. 2022 - Current
Application Security Engineer (Dec 2022 - Current)
- Lead engineer on platform integration project: ServiceNow x Tenable Integration. Connected natively hosted platform to cloud hosted platform via API; successfully achieved automated sync of assets and vulnerabilities. Created automation scripts and event handlers for highly rated vulnerabilities exchanged between platforms, while including SLAs and business priority metrics; created a hybrid priority system for both business needs and high level vulnerabilities.
- Application/Code scanning to ensure custom in-house software meets best practices and OWASP top 10. Also includes penetration testing for in-house and 3rd part applications. Preform quarterly analysis on security events and compile reports.

IT Specialist (Sept 2022 - Jan 2023)
- Resolved technical issues with machines, networks, and IoT devices; re-imaged machines in compliance with business policies and needs. Managed identities/passwords in AD.
- Provided tier 2 support to tech support in RND centers; tweaked software packages for computer images.

Department of Defense, *Chinese Data Analyst Intern*, Seoul, South Korea (remote)   Aug. 2021 - May 2022
- Monitored and collected data from Chinese speaking social media outlets, created a python script to help automate data entry process, created prototype of an idea to use MySQL for data management.
- Created reports on findings, modeled data using SockNetV. Used data to track trends of public opinions surrounding current world events, I was tasked with translating and presenting cohesive presentations; collaborated with Russian and Korean speaking interns for end of term project.

CodeWell Design, *Apprentice Web Developer*, Austin, Texas   Dec. 2019 - Sept. 2020
- Worked with my mentor who is a web design entrepreneur, learned about the application development lifecycle, the importance of UIX, helped create and maintain web applications using ASP dot net framework.
- Used SQL and PHP for querying information and managing information from database. On large-scale projects used AWS for enterprise level management, learned about the importance of business custom applications and their tailored functionality.

University of Houston M.D. Anderson Library, *Help Desk Lead Student*, Houston, Texas   Jan. 2019 - Aug. 2022
- Led programming workshops for freshmen CS students and inexperienced programmers, tutored in python and C++; would check programming methodology and provided additional explanations for programming concepts.
- Provided tier 1 support to students and public patrons in the library, helped with installation of required softwares for various classes. Aided professionals coming to speak set up their presentation equipment.

NiHaoMa (你好吗) Mandarin Learning, *Chinese Teacher*, Houston, Texas   Sep. 2021 - May 2022
- Created custom lesson plans for 3 different classes for grades 1st through 5th. Established knowledge permanence through language learning teaching models while scaling content for appropriate age ranges. Provided tutoring through virtual sessions
- Effectively communicated in both Chinese and English with parents and admin.

EXTRACURRICULAR ACTIVITIES & HOBBIES

Some of my pass times are rock climbing, swimming, traveling, learning new languages, learning about new technologies, IOS application development, DJ-ing/ audio engineering, playing video games, keeping up with current events, practicing my Chinese via chat and reading, learning more about other cultures, encouraging and facilitating cultural diversity.