Nicole Martindale

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EXPERIENCE

LOCKHEED MARTIN | SOFTWARE ENGINEER
Mar 2023 - Present | San Francisco, CA
- Created Ansible scripts and Helm charts to deploy containers using Kubernetes to evaluate third-party solutions for integration into proprietary applications.
- Implemented logging stack for F-35 Maintenance System. Led integration of scraping and visualization functionalities using Kubernetes and Helm.
- Developed Python script for Kubernetes cluster to ensure pod, service, and endpoint health. Automated monitoring, reducing debug time by 97%.

TWITTER | SOFTWARE ENGINEER
July 2022 - Nov 2022 | San Francisco, CA
- Implemented currency conversion for web purchases, including updates to the conversion tracking and attribution pipeline, testing, and monitoring. Increased advertiser confidence to adopt conversion tracking.
- Launched Brand Survey API improvements, to verify retrievals and updates of Brand Surveys, allowing advertisers to better monitor their performance metrics.
- Released Brand Survey and A/B testing tools to advertisers, allowing them to directly access and manage their ads.
- Migrated 20+ scalding jobs and workflows from one build tool to another by creating a Python script that identified necessary file changes. Script was adopted across the company and reduced job migration time by 75%.

TWITTER | SOFTWARE ENGINEERING INTERN
June 2021 - Sep 2021 | San Francisco, CA
- Modified and deprecated multiple endpoints from internal backend services for Brand Surveys. Improved overall system design, eased on-call load, decreased latency, and reduced system maintenance cost and redundancy.

QUALCOMM | SOFTWARE ENGINEERING INTERN
Summer 2019 & 2020 | San Diego, CA
- Developed a web UI with a WSGI server to increase availability of key internal crash-analyzing Python scripts, leading to improved team productivity.
- Implemented C# based parser to decrypt binary packets of information, which automated the team's debugging process and reduced debug time by 99%.

UCSD CSE DEPARTMENT | CSE HEAD TUTOR
Sep 2018 - June 2021 | San Diego, CA
- Head Tutor for a 500-student class (Software Tools & Techniques Lab). Led exam review sessions, coordinated exam grading, and held course-wide office hours.

PROJECTS

ERICA | PRODUCT MANAGER & CONTROLS ENGINEER
March 2022 - June 2022
- Collaborated with emergency medicine physicians to identify user pain points and design a prototype robot for the Emergency Department.
- Built a vending machine robot to autonomously navigate and deliver products to patients, automating low-level physician tasks and improving the patient experience [Turtlebot, Arduino, Shell Scripting, Figma].

HOME A PET | SOFTWARE LEAD
Sep 2021 - Dec 2021
- Conducted competitor research and worked with users to define a product vision and prioritize product features.
- Built a web app that provides a list of pets from nearby shelters and adoption agencies based on user preferences [ReactJS, Flask, Python, MongoDB].

EDUCATION

UC SAN DIEGO
MS IN COMPUTER SCIENCE
Graduated Dec 2022 | GPA: 3.96
BS IN COMPUTER SCIENCE
Graduated June 2021 | GPA: 3.59

SKILLS

PROGRAMMING
Python • Java • JavaScript
ReactJS • HTML • CSS
SQL • Scala • Google BigQuery
C • C++ • C# • Arduino

SOFTWARE TOOLS
Jira • Visual Studio • Vim • Unix •
Git • JUnit • IntelliJ • Figma •
Grafana • Splunk

LINKS
Github:// nikiollie
LinkedIn:// nicole-martindale
Website: https://nikiollie.github.io/

AWARDS
- 2022 UCSD CSE Graduate Award for Contributions to Diversity
- 2021 & 2019 UCSD CSE Undergrad Award for Excellence in Service/Leadership
- 2017 National Center for Women and IT San Diego Award
- 2017 SWE San Diego Scholarship Award

ACTIVITIES
- 2022-Present: TechWomen Professional and Cultural Mentor
- UCSD CSE Diversity, Equity, and Inclusion Committee: Undergrad & Grad Representative
- UCSD Women in Computing: Mentor
- UCSD Society of Women Engineers: Mentor for Anita Borg Leadership and Engagement Program (ABLE)
- Girls Who Code Summer Program: Teaching Assistant
- UCSD Summer Program for Incoming CSE Students (SPIS): Mentor