

EXPERIENCE

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. Increased advertiser confidence to adopt conversion tracking and improved understanding of their ROAs.
- 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%.

TECHWOMEN | TWITTER PROFESSIONAL MENTOR

Sep 2022 - Oct 2022 | San Francisco, CA

- Mentored a woman in STEM from Central Asia as a part of Twitter's participation in the U.S. State Department-sponsored TechWomen program.
- Served as mentee's Product Manager. Identified a problem, collaboratively defined an approach, established success criteria, and validated the solution.
- Ensured mentee was set up for success through a challenging, well-scoped project analyzing BigQuery datasets and updating Looker dashboards. Led to improved analysis of user impressions on ads.

TWITTER | SOFTWARE ENGINEERING INTERN

June 2021 - Sep 2021 | San Francisco, CA

- Modified and deprecated multiple endpoints from internal backend services for Brand Survey. 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 deliver products to patients, automating low-level physician tasks [Turtlebot, Arduino, Shell Scripting, Figma].

HOME A PET | PRODUCT MANAGER & 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

Expected Dec 2022 | GPA: 3.96

BS IN COMPUTER SCIENCE

Graduated June 2021 | GPA: 3.59

SKILLS

PROGRAMMING

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

SOFTWARE TOOLS

IntelliJ • Vim • Unix • Git • GDB
XCode • Visual Studio • Figma

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

- CSE Diversity, Equity, and Inclusion Committee: Undergrad & Grad Representative
- Women in Computing: Mentor
- 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