

Nikole McLeish

EDUCATION

University of California Irvine, 2022

- Master of Human Computer Interaction and Design
- GPA: 4.0

Georgia Institute of Technology, 2019

- Bachelor of Science in Computer Science w/ Honors
- Minor in Industrial Design
- Threads: Intelligence and Media

WORK EXPERIENCE

Software Engineer, Twitter

July 2021 to Nov 2022

- Designed and executed the migration of a legacy tool to advance my organization's consolidation initiative
- Improved the architecture of a chrome web extension and implemented 3 new features to enhance bug reporting
- Provided support for and resolved 10+ bugs and issues to ensure our services were running in a healthy state
- Implemented, updated, and tested 8+ APIs across several internal tools and services
- Delivered 2 technical design documents and actively contributed additional documentation for 3+ tools
- Ensured all our applications authenticate through S2S to enable privacy and data protection between services
- Utilized TypeScript, JavaScript, ReactJS, Scala, Thrift, and Git

Software Development Engineer, Amazon

Sept 2019 to Sept 2020

- Developed and tested 4 safety and management service applications used to support sort technology
- Designed and implemented safety mechanisms to provide authentication and authorization for an android app
- Improved collection of performance metrics to auto-generate alarms for service monitors
- Deep dive into operational problems to develop root cause analysis and provide solutions to operational risks
- Implemented cooldowns mechanisms to prevent throttling of high-impact services
- Designed and implemented an auditing workflow to support bulk actions
- Utilized Java, Ruby, Typescript, ReactJS, and AWS

Researcher, Georgia Tech Security, Privacy, Usability, and Design Lab

Aug 2018 to May 2019

- Designed AI-assistants that use machine learning to make authentication decisions for physical spaces
- Developed an Android application that handles real-time face recognition using Microsoft Face
- Utilized Google Firebase for real-time database access and authentication

Research Intern, IBM

May 2018 to Aug 2018

- Cleansed and provided modeling and analyses of structured and unstructured data for anomaly detection
- Designed and implemented animated data visualizations with Matplotlib and NetworkX
- Conducted research on acoustic data using Neural Networks with TensorFlow and Neo4j

Software Developer Intern, IBM

May 2017 to Aug 2017

- Developed a travel-themed chatbot that collects location and date to provide weather predictions
- Developed a poem-generating web application using Watson Tone Analyzer and Natural Language Understanding
- Used Spark Machine Learning to predict purchases from unfiltered clickstream data with up to 70% accuracy
- Created two PixieApps that allow more straightforward data queries from Postgres and Cloudant databases

PUBLICATIONS

"Generating Poems: A Way with Words and Code", McLeish, Nikole., IBM Watson Data Lab (2017).