Michael Koohang

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Education

M.S. in Computer Science   **Georgia Institute of Technology**   **Aug. 2019 – Dec. 2021**
- Specialization in Human-Computer Interaction (GPA: 4.0/4.0)
- Relevant Coursework: Principles of UI Software, Ubiquitous Computing, Human-Computer Interaction, Mobile Apps and Services, Empirical Methods in HCI, Information Visualization

B.S. in Information Technology   **Middle Georgia State University**   **Jun. 2016 – May 2019**
- Specialization in Software Engineering (GPA: 4.0/4.0 | graduated at 18 years old)
- Relevant Coursework: Data Structures and Algorithms, Database Principles, Software Engineering, Software Security, Operating Systems, Computer Architecture, Software Testing & QA

Experience

Software Engineering Intern   **MealMe**   **Sep. 2020 - Present**
- Will be leading UI/UX design and software engineering for the MealMe iOS app

Software Engineering Intern   **Nike**   **Jun. 2020 - Aug. 2020**
- Developed backend service for delivering email notifications to Nike research study participants
- Enhanced Nike's research model by enabling real-time delivery of surveys to over 10K study participants
- Placed 2nd out of 29 teams in the internal hackathon with a project focused on sustainability

Graduate Teaching Assistant   **Georgia Institute of Technology**   **Jan. 2020 – May 2020**
- TA'd for CS 6310 Software Architecture and Design in Georgia Tech's Online MSCS program
- Analyzed UML diagrams and conducted code reviews for an online course of over 500 students
- Graded over 30 assignments per week by analyzing software design diagrams and Java code

Graduate Research Assistant   **Georgia Institute of Technology**   **Jan. 2019 – Present**
- Developed a Flask web app to parse and store affordable housing data for the city of Atlanta
- Designed and developed an Android app to gather network measurements on hiking trails along with a React/Express web app to map and visualize the data

Civic Data Science Intern   **Georgia Institute of Technology**   **May 2018 – Jul. 2018**
- Built an SMS chatbot using Twilio and Flask to support data collection of rat sightings in Atlanta
- Garnered over 100 reports and presented project to Atlanta city officials
- Developed metadata extraction tool to geocode images with the Google Maps API

Projects

AirNotes   **2020**
- Notes app built for accessibility with advanced Siri shortcuts. *Swift, UIKit, SiriKit, CarPlay*

Code in Place Section Leader   **2020**
- Taught in Stanford University's Code in Place program for learning programming during COVID-19

Apple WWDC19   **2019**
- Awarded a scholarship out of 350 people in the world to attend Apple's WWDC19 conference by developing an Xcode playground that shows people how the iPhone protects their privacy. *Swift, Xcode*

Dia/Log   **2018**
- Diabetes tracking app designed and built around privacy and security; 270+ downloads on the App Store. *Swift, UIKit, Core Data, HealthKit*

Skills

Languages: Python, Swift, Java, JavaScript, SQL

Frameworks: Flask, ReactJS, NodeJS, Express, UIKit, SiriKit, Core Data, MySQL, MongoDB, git, zsh

Software/Services: Xcode, VS Code, Postman, Docker, AWS, Jira, Sketch, Affinity Designer