Michael Koohang

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Experience

Graduate Research Assistant — **Georgia Institute of Technology** — **Jan. 2019 – Present**

- Developed a Flask web app to parse and unify affordable housing data for the city of Atlanta
- Designed and developed an Android app to gather network measurement data on hiking trails
- Designed and developed a React/Express web app to map and visualize the network measurement data

Software Engineering Intern — **Nike** — **Jun. 2020 - Aug. 2020**

- Enabled a new digital consumer touchpoint by creating a backend service that lets Nike deliver emails to athletes after they complete a run within the Nike Run Club app
- Enhanced Nike's research model through real-time delivery of feedback surveys to over 2K+ 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 biweekly by analyzing software design diagrams and Java code

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 the project to Atlanta city officials
- Developed metadata extraction tool to batch geocode images with the Google Maps API

Education

M.S. in Computer Science — **Georgia Institute of Technology** — **Aug. 2019 – Dec. 2021**

- Concentration in Human-Computer Interaction (GPA: 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**

- Concentration in Software Engineering (GPA: 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

Leadership & Projects

Georgia Tech iOS Club - Senior Design Lead — **Sep. 2020 - Present**

- Created YouTube tutorials on iOS development and provided technical/design guidance to members

Stanford University - Section Leader — **Apr. 2020 - May 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

Dia/Log — **2018**

- Diabetes tracking app built around privacy and security; 270+ downloads on the App Store.

Skills

Languages: Python, Swift, HTML, CSS, JavaScript, Java, SQL

Frameworks: Flask, React, Node, Express, Jest, UIKit, Core Data, MySQL, MongoDB, git, zsh, Linux, A/B testing

Software/Services: Xcode, VS Code, REST, Postman, Docker, AWS, Jira, Sketch, Miro, Photoshop