

# Michael Koohang

Website: [michaelkoohang.github.io](https://michaelkoohang.github.io) • GitHub: [@michaelkoohang](https://github.com/michaelkoohang)

## Education

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- 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

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- iOS Software Engineering Intern**      **MealMe**      **Sep. 2020 - Dec. 2020**
- Will be leading UI/UX design and software engineering for the MealMe iOS app
- Global Technology 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 2<sup>nd</sup> 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 a week, analyzing and commenting on software design diagrams and code
- Graduate Research Assistant**      **Georgia Institute of Technology**      **Jan. 2019 – Present**
- Developed backend system to parse and store affordable housing data from the city of Atlanta
  - Designed and developed an Android app to gather network network measurements on hiking trails along with a web app to map and visualize the data
- Civic Data Science Intern**      **Georgia Institute of Technology**      **May 2018 – Jul. 2018**
- Integrated Twilio API with Flask web app to support data collection through an SMS chatbot
  - Garnered over 100 sighting and evidence reports and presented project to Atlanta city officials
  - Developed metadata extraction tool to geocode images with the Google Maps API

## Projects

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- 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; 273 downloads on the App Store. *Swift, UIKit, Core Data, HealthKit*

## Skills

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**Languages:** Python, Swift, Java, JavaScript, SQL

**Frameworks:** UIKit, SiriKit, HealthKit, Core Data, Flask, React.js, Node.js, PostgreSQL, MongoDB, git, zsh

**Software:** Xcode, VS Code, Postman, Docker, Sketch, Affinity Designer, Blender