

Michael Keohane

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Shrewsbury, MA
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Education

Georgia Institute of Technology

Candidate for Bachelor of Science in Computer Science

Expected Graduation: May 2022

GPA: 4.0/4.0

Threads: Media & Intelligence

Skills

Languages: Swift, JavaScript, Java, Python, SQL, C, HTML/CSS, Bash

Framework & Tools: React, XCode, Git, Arduino, Android Studio, Firebase, Powershell

Concepts: Agile Development, Data Structures and Algorithms, Object-Oriented Programming, Computer Organization and Programming, Linear Algebra, AI, Computer Graphics, Robotics and Perception

Operating Systems: Windows, MacOS

Employment History

Home Depot - Software Engineer Intern (August 2020 - present)

- Reducing in-store waiting times of Pro Members by developing an iOS app to pre-authorize transactions
- Conducting user interviews following Google's design sprint framework in order to design a product that will be readily adopted by thousands of Pro Home Depot App users

MealMe - iOS Software Engineer Intern (Summer 2020)

- Increased restaurant selection size by 10x, larger than any delivery app
- Integrated Yelp API to reduce browsing cost by 100%
- Doubled daily active users by creating a customizable filtering system for browsing
- Created a personalized recommendation system by developing an algorithm that analyzes the user's history to learn their preferences

Digital Credit Union - IT Intern (Summer 2019)

- Automated employee profile creation for new hires using PowerShell scripts and Active Directory
- Analyzed employee performance in active sprints by using SQL queries to consolidate Jira ticketing data into Power BI dashboards

Projects

Tyes - Lead Software & Web Designer (2018 - Present)

- Creating an intelligent physical assessment tool in Electron and a ReactJS website to create assist in the recovery process for people suffering from muscular spasticity

ORM: Strength Progress Tracker (2020)

- Developed and published a strength progression tracking app to the iOS store, reached as high as #45 for Health & Fitness apps with over 600 users

Intelligent Tutoring Systems - Full Stack Developer (2019 - Present)

- Creating an intelligent review React JS application, with a Flask-SQL backend to provide teachers with a detailed analysis of the performance of their students and identify problematic subjects or assignments

Activities

Freshman Council - Student Advisor (2019 - Present)

- Welcoming in and empowering 30 first year students while promoting strong mental health throughout the school
- Responsible for recruitment, facilitating weekly meetings, and planning 3 annual retreats

iOS Club - Member (2019)

- Learned to develop applications for iOS in XCode, incorporating Firebase management and internal frameworks such as MapKit

Recent Awards

Best User Experience and UI Award - Home Depot Reinforcement Learning Hackathon (2020)

Best Spatial Software Award - HackGT (2019)

People's Choice Award - Collegiate Cup Hackathon (2019)