

MATT TREIBER

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EDUCATION

Tufts University, Boston, MA Expected graduation May 2021
MS Software Systems Development
Men's Lacrosse Team Captain for 2021 Season
Relevant Coursework: Cloud Computing, Distributed Systems, iOS Engineering, Operating Systems, Principles of Software Engineering, Databases

Tufts University, Boston, MA May 2020
BS Computer Science (*Cum Laude*), Minor in Entrepreneurial and Leadership Studies
Men's Lacrosse Team Captain for 2020 Season
Preorientation Leader
Relevant Coursework: Data Structures, Web Programming, Computer Security, Networking, Artificial Intelligence, Algorithms, Computation Theory, Human Computer Interaction

TECHNICAL SKILLS

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

Databases: Firebase, PostgreSQL, DynamoDB

Frameworks: ReactJS, React-Native, Jenkins, ExpressJS, TypeScript, Jest, Expo, SwiftUI, RealityKit, ARKit, The Composable Architecture

Other: AWS (Amplify, Lambda, API Gateway), Heroku, jQuery, RESTful web services

WORK EXPERIENCE

Boston Engineering, Waltham, MA Summer 2020
Software Engineer Intern

- Built iOS application to demonstrate the company's IoT and Augmented Reality technologies
- Worked with image/object recognition in AR (SwiftUI, ARKit, RealityKit) and Bluetooth Low Energy (Core Bluetooth)

Lightkeeper LLC, Boston, MA Summer 2018, 2019
Software Engineer Intern

- Created automated tests of the web application's UI to allow continuous integration using Jenkins and Jest
- Created "Client Overview Report" by pulling data from several APIs in Python then presenting it in JavaScript

PROJECTS

College Athlete Data Scraper Winter 2019 - 2020

Web Scraper to pull all available data from every varsity athlete at a given school

- Can scrape data from ~900 college athletics programs
- This scraper was built using ReactJS, ExpressJS, and Heroku
- The scraper was sold to [JustPlay Sport Solutions](#) to aid their onboarding process

Interactive iOS AR App Fall 2020 – Present

Augmented Reality Implementation of [Conway's Game of Life](#)

- Extension of an in-class project to implement Conway's Game of Life as in iOS application
- Display game in AR, user input through interaction with AR content

Senior Capstone Project Fall 2019, Spring 2020

Lead a team of three developers to create a social networking web application

- Created web application to connect Instagram users and small to medium-sized businesses to form a synergistic relationship by exchanging brand exposure for reward

RESEARCH

Tufts University, The Fletcher School of Law and Diplomacy Spring 2018 - Spring 2020

Research Assistant

- Develop curriculum to introduce general computer science concepts and Python-specific interfaces for data analysis to Ph.D. Candidate at The Fletcher School
- Direct development of novel dataset for statistical analysis