Brian Model

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EDUCATION

Georgia Institute of Technology, College of Computing (4.0 GPA)   2018-2022
Atlanta, Georgia
- Bachelor of Science in Computer Science
- Relevant Coursework: Data Structures and Algorithms, Linear Algebra, and Multivariable Calculus

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EXPERIENCE

Software Engineering Intern, The Home Depot   January 2019 - Present
Atlanta, Georgia
- Working on developing mobile application for indoor positioning through Wi-Fi signals. Using machine learning and SLAM for localization based off of current signal readings.
- Tech used: Python, JavaScript, Flask, Scikit-Learn, SQLAlchemy, React Native

Undergraduate Researcher, Georgia Tech Robotic Musicianship Group   January 2019 - Present
Atlanta, Georgia
- Working under Professor Gil Weinberg on DeepScore, an application that generates a music score for a movie using deep learning and facial recognition.
- Implementing feature to generate an orchestration from a piano score using a Recurrent Neural Network.

Software Engineering Intern, ALICE   June - August 2018
New York, New York
- Built core infrastructure for automating API and Web Client testing to replace the need for manual testing and ensure consistent product delivery. Deployment time went down from 2 days to 2 hours, enabling the company to push more bug-free releases into production.
- Worked with a distributed team of around 100 people in a Scrum based Agile environment.
- Tech used: Java, Cucumber, Selenium, Sourcetree, Postman, Chrome Dev tools, and Jira

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MAJOR ACCOMPLISHMENTS

Finterest   October 2018
- First place winner of HackGT's Capitol One Best Financial Hack prize, Best use of Blackrock API prize, and placed top 8 out of around 1000 participants
- Led a team of three in developing a Chrome Extension to improve financial literacy by defining key terms and summarizing financial articles through machine learning, as well as providing financial data that is needed to understand the article.

Beacon
- First Place for Home Depot Hackathon (about 80 attendees)   September 2018
- Built indoor navigation tool, as an Android app, using Bluetooth Beacons to determine current location, and direct someone to their desired destination.

Organized Hackathon (50 attendees)   November 2017
- Focused on Amazon Web Services and Amazon Echo
- Found sponsor for the hackathon, advertised event, and create workshop for people to learn

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SKILLS AND HOBBIES

- Technologies: Python (fluent), Java (fluent), Amazon Web Services (proficient), Microsoft Azure (proficient), Version Control (proficient), JavaScript (proficient)
- Spoken Languages: English and Russian
- Piano: Manhattan School of Music Precollege Division, and performed at Carnegie Hall