

Brian Model

bmodel@gatech.edu | github.com/brianmodel | 201-953-5950 | linkedin.com/in/brian-model

Education

- Georgia Institute of Technology**, College of Computing Aug 2018–May 2022
- Bachelor of Science (B.S.) in Computer Science, 4.0 GPA
 - Concentrations in Machine Learning and Computer Systems/Architecture
 - Relevant Coursework: Data Structures and Algorithms, Discrete Math, Linear Algebra and Multivariable Calculus

Experience

- Software Engineering Intern**, NCR Corporation May 2019–Present
- Initiated and built core infrastructure for automating test environment creation on ATMs by building a pipeline for deploying new software releases to testers.
 - Test environment creation time went from around 2 hours to 30 minutes, allowing for issues to be detected and resolved more efficiently.
 - Worked with a small team in a Scrum and Kanban based Agile Environment
 - Tech used: Python, Chef, GoCD, Vagrant, VirtualBox, JIRA API, NuGet
- Software Engineering Intern**, The Home Depot Jan 2019–May 2019
- Worked on developing a mobile application for indoor positioning using Wi-Fi signals. Used machine learning and SLAM for localization based off of current signal readings.
 - Tech used: Python, JavaScript, Flask, Scikit-Learn, SQLAlchemy, React Native

Research

- Georgia Tech Robotic Musicianship Group**, bit.ly/2GaZQBS Jan 2019 –Present
- Working with Professor Gil Weinberg to develop a tool to generate an orchestration of a piece of music given only the piano score using Recurrent Neural Networks and Word2Vec music chord embeddings
 - Tech used: Python, TensorFlow, Keras, Word2Vec

Projects and Accomplishments

- HackGT 2018 Winner**, Finterest Oct 2018
- Led a team of three in developing a Chrome Extension to improve financial literacy by detecting and defining key terms in financial articles, summarizing the articles using Natural Language Processing, and provide relevant financial data needed to contextualize the article.
 - Won Best Financial Hack and Best use of Blackrock API prizes, and placed in top 8 out of around 1000 hackers
- Home Depot Hackathon Winner**, Beacon Sept 2018
- Built indoor navigation tool, as an Android app, using Bluetooth Beacons to determine current location, and direct someone to their desired destination.
 - Came in first place out of about 80 hackers

Skills and Hobbies

- Programming Languages, Frameworks and Technologies**
- Python, Java, JavaScript, Git, Chef, AWS, Flask, React Native, Vagrant, VirtualBox
- Spoken Languages**
- English and Russian
- Interests**
- Jazz and Classical Piano