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Brian Piejak

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Education

Atlanta, GA **Georgia Institute of Technology** **Fall 2015 – Fall 2019**

- B.S. in Computer Science with a concentration in Intelligence and Media
- 3.68 GPA – Highest Honors

Employment

Software Engineer **Goldman Sachs** **Summer 2018 - Present**

Securities Analyst - FAST Data Team

- Implemented the Metals Derivatives Pricing Model pipeline in a large-scale python NLP platform
- Managed dataset, model, and test data versioning and generated model performance reports
- Added training data and retrained models to accommodate new use cases
- Designed FX data API using Hibernate ORM and Spring Boot

Summer Intern - Operations Analytics

- Constructed a machine learning model to analyze client interactions in a CRM platform
- Followed deep learning research methods to form a domain specific natural language corpus
- Trained deep neural translation model to convert trades into a labelled representation of the transaction

Summer Intern - Operations Analytics

- Built full-stack regulatory outreach web app – used to replace manual tracking via Excel
- Acted as the lead developer from the first commit to deployment into production
- Saved $5mm in costs of hiring additional employees for outreach efforts

Software Development Intern **AT&T** **Summer 2017**

- Developed Node.js based chatbot for use with conference room reservation
- Won the award for most innovative intern project throughout the company
- Automated the migration of records from Excel to a database via python, REST, and JSON

Lead Tutor **Georgia Institute of Technology** **Fall 2016 – Spring 2017**

- Tutored student-athletes in a variety of math and science classes; responsible for regular progress reports
- Promoted to lead tutor after one semester; lead training sessions for new tutors

Technical Experience

Projects

- **Zazu** (2019). Web and iOS app that provides a customized investment portfolio as well as Sharpe ration optimized allocation based on a user's risk tolerance and investment time horizon. Built for HackGT 2019; won first place for best use of BlackRock's API.
- **floodAR** (2018-2019). Android app that displays simulated flood water levels over the user's camera via Google's ARCore in order to increase awareness of flood danger in high-risk communities. Built in partnership with the Georgia Tech Global Change Program and the City of Savannah.
- **numer.ai** (2017) Stock picking machine learning model built in python with sklearn using random forests. Selected as one of the winning models in the January 2017 competition.

Languages and Technologies

- Python, Java, Javascript
- Node.js, Sklearn, Keras, Git, React, MongoDB, Spring Boot