Dylan DiGeronimo

Software Engineer
Hoboken, NJ

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Education

Stevens Institute of Technology
B.S. in Computer Science
Hoboken, NJ | Expected May 2020
Honors: Dean's List, Presidential Scholar, Pinnacle Scholar, CHI Scholar

Skills

Python, Java, JS, C++, C, Erlang, OCaml, Git, Bash, Unix, MySQL/Oracle, MongoDB, Flask, Express, Node, Scikit-learn, Agile Methods, Project Management, Documentation and Technical Writing, System Administration

Organizations

WCPR, Castle Point Radio
General Manager, Sysadmin | Stevens Institute of Technology
Mar 2017 – Present

Media Subcommittee
Representative | Stevens Institute of Technology
Mar 2017 - Present

Projects

HungerLog | Hunger Tracking Android Application
Allowed users to log hunger level, associated emotions, and meal pictures before and after eating. Automatically exported these logs to CSVs to facilitate data analysis.

Market Moods | Stock Prediction Web Application
Gave suggestions on whether to make investments based on textual sentiment analysis of recent news articles sourced from the New York Times Article Search API. Flask-based and Bootstrap-styled.

Experience

Deutsche Bank | Technology Analyst Intern
Jun 2019 – Aug 2019
- Worked as part of a team developing software that creates real-time risk reports for equities traders
- Built tools used to automate the addition of new credit default swap indices into eTrading databases
- Created POC for integration of open source streaming libraries into high data volume financial applications
- Developed full stack of web application used to predict stock performance using sentiment analysis of news articles
- Wrote unit tests to be used as part of a continuous integration system

Health and AI Lab | Undergraduate Research Assistant
Jun 2018 – May 2019
- Assisted in research under Professor Samantha Kleinberg involving Machine Learning and Bioinformatics
- Designed and ran pilot research experiment
- Created an Android application to facilitate data logging by trial participants
- Worked with wearable devices to read and interpret biometric data
- Used machine learning tools to develop algorithmic hunger prediction model

Stevens Institute of Technology | Course Assistant
Aug 2018 - Present
- Intro to Computer Science, Fall 2018, Data Structures, Spring 2019, and Concurrent Programming, Fall 2019
- Graded assignments, quizzes, and exams
- Administered lab and recitation periods
- Held weekly office hours, assisting students with assignments, concepts, and programming
- Assisted in course planning and the creation of assignments and exams