

Dylan DiGeronimo

Software Engineer
Budd Lake, NJ

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Education

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

Skills & Tools

Java, JavaScript, Python, Rust, Scala, Git, Unix, SQL, MongoDB,
Adobe Experience Manager, Node, Express, React, Flask, Ansible,
AWS EC2, Agile Methods, Project Management, Documentation and
Technical Writing, System Administration

Organizations

Free Ebook Foundation
Volunteer Developer and Project
Manager
Sep 2019 - May 2020

WCPR - Castle Point Radio
General Manager, Programming Manager,
Systems Administrator
Mar 2017 - Dec 2019

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. Developed Summer 2018.

Market Moods | Stock Prediction Web Application
Provided 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 styled with
Bootstrap. Developed Summer 2019.

Experience

Scholastic | Associate Software Engineer
New York, NY | July 2020 - Present

- Contributed to the full stack of Adobe Experience Manager-based digital Classroom Magazine websites as well as other web-based educational products, using Java, Javascript, SCSS, and AngularJS.
- Collaborated with Product Owners, Magazine Editors, and Designers to ensure site components were implemented as desired amid changing business requirements.
- Streamlined the cookie system used across over twenty five sites by creating a system to serve product thumbnail URLs, reducing overall cookie size by up to 60%.
- Assisted in the administration of AEM instances and infrastructure running on AWS EC2.
- Ported a new authentication system tailored for large organizations and allowing for multiple authentication methods on a new product.

Deutsche Bank | Technology Analyst Intern
New York, NY | Jun 2019 - Aug 2019

- Worked as part of a team developing software that created 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 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 that were used as part of a production continuous integration system.

Health and AI Lab | Undergraduate Research Assistant
Hoboken, NJ | Jun 2018 - May 2019

- Assisted in research under Dr. Samantha Kleinberg involving Machine Learning and Bioinformatics
- Designed and ran a pilot research experiment to explore correlations between physiological signals and hunger.
- 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.