

James Miles

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Education

Dublin City University

Computer Applications / Software Engineering
Current Grade: 2.1 | Graduation Date: November 2020
Bachelor of Computer Science

Skills

Languages: Python, Javascript ES6, HTML/CSS

Frameworks: Pandas, Django, Flask, React, Redux, Node.js

- Familiar with other front-end development tools such as Babel & NPM.
- Experience developing highly tested, maintainable, reusable code and components

Experience

Shutterstock: Software Engineer Intern

April 2019 - Sep 2019

- Worked, using agile & scrum methods, alongside a team developing an application which would provide a critical connectivity channel between stakeholders
- Translated designs to high quality & reusable React components
- Collaborated with editors to gather feedback for iterative design
- Deployed code which met company standards of 85% test coverage (via Jest) & participated in peer code reviews for adherence to coding standards
- Experienced developing back end services (Typescript)
- Participated in a company hackathon
- Utilised Javascript ES6, React, Redux, Node.js, Docker, RESTful APIs & Git

Projects

Comet - Final Year Project

A code metrics/analysis tool to provide useful insights and metrics regarding code complexity and maintainability, test coverage and inheritance depth; displayed and navigated by a clean, easy to use front-end user interface.

AWS, HTML, CSS, Javascript ES6, React, Redux, Python, Django, ANTLR

Bitcoin Trading Bot - Third Year Project

A proof-of-concept Python script trained on previous Bitcoin history, via scikit-learn's linear regression model, to predict the future direction of the price and make trades through the Binance API based on said prediction. The model executed with 75% accuracy in relation to price direction.

Python, Scikit-Learn, Numpy, Pandas

Donald Trump Stock Monitor - <https://github.com/semaaJ/TwitterStockMonitor>

Originally written during the 2016 American election - uses sentiment analysis (NLTK) to analyse Donald Trump's tweets for mentions of companies and the tweets corresponding effect on the company's share price.

Python, NLTK