Michael Lanotte

mlanotte1998@gmail.com | 508-723-4827 | 8 Carmel St. Apt #2 | Boston, MA 02120
http://mlanotte.com | https://github.com/mlanotte1998 | https://linkedin.com/in/michael-lanotte/

EDUCATION

Northeastern University, Boston, MA (GPA: 3.87/4.0) *September 2017 - Present*
Khoury College of Computer Sciences *Expected Graduation December 2020*
Candidate for a Bachelor of Science in Computer Science, minor in Math
Related Courses: Web Development, Object Oriented Design, Computer Systems, Software Development, Networks and
　　　Distributed Systems, Algorithms and Data, Programming in C++, Programming Languages, Multivariable Calculus

COMPUTER KNOWLEDGE

Languages: Java, JavaScript, C++, C, Python　｜　**Web Technologies:** React, Redux, Node.js, Spring Boot, HTML, CSS
Software: IntelliJ, WebStorm, Eclipse, CLI, SVN, GitHub, Jest, Docker, Nginx, Postman, Slack, Vim, PyCharm, VirtualBox

WORK EXPERIENCE

Disney Streaming Services, San Francisco, CA (Remote) *June 2020 - August 2020*
Software Engineer Intern
- Incorporated Apache Lucene into Java Spring Boot to improve the search functionality of an internal product
- Used PostgreSQL database triggers to update multiple server instances of changes applied to locally stored data
- Created brand new page for a React-Redux front-end for being able to edit multiple items at once with a single form that is expected to increase the productivity of the team that uses the internal product up to five-fold

PowerAdvocate, Boston, MA *July 2019 – December 2019*
Software Developer Co-Op
- Spearheaded two user-interface pages programmed in React for an internal product currently in development; which also included designing and incorporating the majority of the back-end functionalities
- Orchestrated the design and implementation of a three-month long project for a new internal product
- Utilized Docker to push images of various Node.js microservices to Amazon ECR for creating validation stacks
- Launched a new React library for the company's internal React Artifactory
- Constructed HTTP server endpoints using an internal server package that is a wrapper for Restify
- Reached a MySQL database using Sequelize for both standard query functions and custom queries
- Created front-end and back-end tests using Jest along with various mocking libraries including Sequelize-Mock
- Pair-programmed as a full-stack developer in an agile environment using a Kanban-like methodology, alongside developers from the Co-Op to senior level

Red Hat, Westford, MA *June 2018 - August 2018*
Storage Intern
- Strengthened quality assurance for an application written in Python by writing tests using mock objects, mock patches, pytest, and Tox testing to add code coverage
- Composed a comprehensive command line install guide for other employees and customers that wish to quickly create/test on virtual machines with Red Hat Gluster Storage and the Tendrl Monitoring System; guide utilized VirtualBox and Vagrant for creating a virtual distributed system to test the products

PROJECTS

Bountium Web-App Project (React, Java) *May 2019 - June 2019*
- Bountium is a platform for smart contract powered businesses and is an open source project
- Produced a business marketplace for Bountium called the Bountium DAO Manager
- Pioneered the Java server partnered with MySQL that handles creating users, businesses, owners, and products
- Incorporated a messaging system into the server that allows for messages between owners of businesses
- Remodeled the front-end from EXT JS to React

Personal Website (HTML, CSS) *July 2018 - January 2019*
- Domain is mlanotte.com and hosted on GitHub Pages
- Designed with support from w3schools.com, Bootstrap, and Google API jQuery

INTERESTS

- Videogames, snowboarding, football, basketball, fitness, running, swimming, billiards