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NATHANIEL OSTRER

69 Brown Street, Box #5133

Providence, RI 02912

Education

Brown University, *ScB Computer Science expected May 2021* (Providence, RI)   9/17 – Present
- Relevant coursework: Accelerated Intro to Computer Science, Software Engineering

The Dalton School, *High School Diploma* (New York, NY)   9/12 – 6/16
- Completed "Data Structures and Algorithms in Java" at Columbia University

Work Experience

Apptimize, *Software Engineering Intern* (San Francisco, CA)   05/18 – 08/18
- Updated iOS and Android Test apps
- Wrote new tests for Jenkins and Travis CI setup
- Updated automated deployment script for SDK
- Wrote initial React Native test app for JavaScript SDK

DATA 1030, *Teaching Assistant* (Providence RI)   05/18 – Present
- Design and implement an introductory data science course for Master's students
- Automate grading process for Brown Data Science Initiative

Serre Lab, *System Administrator* (Providence RI)   04/18 – Present
- Maintain lab computers for neuroscience research lab at Brown University
- Automate the removal of legacy data from university servers

Bowery Labs, *Software Engineering Intern* (New York, NY)   7/16 – 10/16
- Spearheaded an initiative to train a machine learning model to predict NYC subway train arrivals
- Contributed to code for back-end routing system for real time transit directions

Projects

Bairea, Treehacks, 2018, *Team Member* (Stanford, CA)   2/18
- Developed a cheap, mobile air quality sensor to map air pollutants
- Wrote a service on Google App Engine to log and visualize sensor data
- Won TomKat Prize for Sustainability out of 1000+ hackers

Sight, YHack 2017, *Team Member* (New Haven, CT)   12/17
- Developed an app that helps visually impaired individuals navigate and interact with their surroundings
- Reverse engineered Facebook's tagging service to identify a user's friends
- Applied Google's Vision API for OCR, label detection, and facial sentiment analysis
- Won 1st place overall out of 1000+ hackers
- Won best use of a Facebook API or SDK

Leadership Experience

Atomic Theory Robotics Team, The Dalton School, *Captain* (New York, NY)   9/15 – 6/16
- Led a team of 15 students in building and programming a robot to perform various challenges
- Competed in the FTC world robotics competition in St. Louis

Skills & Interests

Programming Languages: Python, Java, JavaScript, C, Objective-C, SQL, HTML, CSS

Technical: Unix, Google Cloud Platform, AWS, Jenkins CI, Travis CI, GitHub, Jira, Confluence