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## NATHANIEL OSTRER

69 Brown Street, Box #5133  
Providence, RI 02912

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### Education

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- 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

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### Work Experience

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- 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
- Work to design and implement an introductory data science course
  - Work on automating 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

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### Projects

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- 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 1<sup>st</sup> place overall out of 1000+ hackers
  - Won best use of a Facebook API or SDK

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### Leadership Experience

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- 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

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### Skills & Interests

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**Programming Languages:** Python, Java, JavaScript, C, Objective-C, HTML, CSS  
**Technical:** Unix, Google Cloud Platform, AWS, Jenkins CI, Travis CI, GitHub, Jira, Confluence