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NATHANIEL OSTRER

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## Education

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**Brown University**, *A.B. Computer Science, A.B. History expected May 2021* (Providence, RI) 9/17 – Present

- Relevant coursework: Accelerated Intro to Computer Science, Software Engineering, Deep Learning, Probability for Computing and Data Analysis, Computational Linguistics

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## Work Experience

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**Facebook**, *Software Engineer Intern* (Menlo Park, CA) 5/19 – 8/19

- Worked with Community and Election Integrity Infrastructure teams
- Wrote a tool using Hack and Presto to backfill billions of failed integrity actions

**CSCI 1470 – Deep Learning**, *Teaching Assistant* (Providence, RI) 5/19 – 12/19

- Designed and implemented an introductory Deep Learning course for undergraduates
- Assisted students with coursework, answer questions, lead weekly labs

**Apptimize**, *Software Engineer Intern* (San Francisco, CA) 5/18 – 8/18

- Created new tests and automation scripts for continuous integration process
- Built initial React Native test app for JavaScript SDK

**DATA 1030 – Introduction to Data Science**, *Teaching Assistant* (Providence, RI) 5/18 – 12/18

- Designed and implemented an introductory Data Science course for master's students
- Lead weekly labs, answered questions, graded problem sets

**Bowery Labs**, *Software Engineer Intern* (New York, NY) 7/16 – 10/16

- Used Python to train machine learning models to predict NYC subway train arrivals
- Contributed to Java code for back-end routing system for real time transit directions

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## Projects

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**Babel Fish, Hack@Brown** (Providence, RI) 2/19

- Video chat app with real time translation between 30+ languages
- Won Facebook Sponsor Prize out of 500+ hackers

**Speculo, Facebook Global Hackathon** (Menlo Park, CA) 11/18

- First-of-its-kind app that allows screen sharing across any device or platform
- Finalist at 2018 Facebook Global Hackathon

**Bairea, Treehacks** (Stanford, CA) 2/18

- Developed a low-cost mobile air quality sensor to map air pollutants
- Won TomKat Prize for Sustainability out of 1000+ hackers

**Sight, YHack** (New Haven, CT) 12/17

- Reverse engineered Facebook's tagging service to identify a user's friends
- Won 1<sup>st</sup> place overall out of 1000+ hackers and best use of a Facebook API or SDK

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## Skills & Interests

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

**Technical:** Functional Programming, Unix, Google Cloud Platform, AWS, Jenkins CI, Travis CI, GitHub, Jira, Confluence, Pandas, NumPy, TensorFlow