

Oliver Hare

<http://oliverhare.us>

<https://github.com/buggy-virus>

Oliver_Hare@Brown.edu • (973) 619-4702 • 21 Old Farm Road, Darien CT 06820

Education

Brown University

Providence, RI

Master of Computer Science GPA: 4.0/4.0

Graduation May 2018

- **CS Classes of note:** 1570 Algorithms, 1730 Programming Langs, 1951a Data Science, 2470 Deep Learning.
- **Research:** Pursuing research under Associate Professor Amy Greenwald on Algorithmic Game Theory

Bachelor of Arts in Physics, Bachelor of Arts in Mathematics GPA: 3.4/4.0

Graduated May 2017

- **Math Classes of note:** 1120 PDEs, 1260 Complex Analysis, 1530 Abstract Algebra, 1610 Probability.
- **Physics Classes of note:** 1420 Quantum Mechanics B, 1530 Thermodynamics.

Technical Skills

Programming Languages

- (Proficient) Python, Matlab, SQL, HTML/CSS, Javascript, Pyret.
- (Familiar) C#, Java, TensorFlow.

Operating Systems and Version Control Systems

- Git, Unix, Windows, macOS

Mathematics and Computer Science Conceptual Focus

- Algorithms, Algorithmic Game Theory, Programming Languages, Data Science, Statistics, Analysis.

Academic and Personal Projects

- Created musician similarity network using data scraped from websites and unsupervised machine learning
- Developing Daedalus, a 2D table top game simulator and scripting engine
- Designed and built personal website where you can see my other projects at "<http://oliverhare.us/projects/>"

Work Experience

Brown Computer Science Department, Teaching Assistant

Providence, RI • Fall 2017 – Present

- Help design, organize, and run CS1570: Design and Analysis of Algorithms
- Instruct students on course materials during TA hours and review sessions
- Grade assignments and other course materials submitted by students

Cartesian Inc, Business Analyst

Boston, MA • Summer 2017

- Automated VPN Geo-Filter testing for Amazon Prime Video and other providers using Python
- Analyzed client and market data to inform strategy in tech and media

Brown Brothers Harriman, FX Electronic Trading Intern

New York, NY • Summer 2016

- Designed and tested algorithmic trading strategies for the inter-bank foreign exchange currency market
- Tested and trained a financial Kalman Filter and Bellman Ford's algorithm on historical data
- Traded on inter-bank FX market as part of intern trading competition

Jane Street Capital, Quantitative Trading Intern

New York, NY • Winter 2016

- Traded in a team in various mock trading exercises on simulated markets
- Built models to identify trends and determine relationships between securities
- Trained and lectured on using various data services and understanding financial concepts

Ellington Management Group, Special Projects Intern

Old Greenwich, CT • Summer 2014, Summer 2015

- Created SQL scripts and Excel tools to aid firm employees in analyzing and interpreting data
- Aided accounting team in transitioning historical records to a SQL database

Extracurriculars and Creative Skills

Brown Debating Union, Ranked 2nd APDA Debate Team Nationally

2013 – Present

- Elected Vice-President of Administration from 2015-2016, organized all on campus events
- Debate in 6-12 inter-collegiate tournaments per year, dedicate 4-10 hours to preparing per week

Brown Ballroom Dance Team

2013 – Present

- Regular finalist in gold level smooth and standard style dances, attend 4-10 competitions per year

Art and Design: Experience in Photoshop, Graphic Design, Drawing, Pen and Ink, Digital Drawing and Painting.

Music: Classically trained in piano, performed in venues and competitions, able to perform impromptu pieces.