
EDUCATION**Brown University** Providence, RI

September 2015 – May 2019

Sc.B. Computer Science and Economics, GPA: 4.0

- **CS Coursework:** Accelerated Intro to CS (class only open to select few students), Integrated Intro to CS, Intro to Discrete Math & Probability, Intro to Systems, Computational Biology
- **Econ Coursework:** Principles of Economics, Management of Industrial & Nonprofit Organizations (business case studies from a consultant's perspective), Mathematical Microeconomics, Intermediate Macroeconomics

Northview High School Johns Creek, GA

- **Academics:** Valedictorian, Nat'l Merit Finalist, Nat'l AP Scholar, Presidential Scholar Nominee, 2350 SAT, 36 ACT

EXPERIENCE**Spiralyze** Atlanta, GA

June 2016 – August 2016

Conversion Optimization Intern

- Leveraged data science and machine learning techniques to extract ecommerce checkout cart best practices from three years of client data, and then applied these metrics to evaluate the checkouts of ecommerce's Fortune 100.
- Redesigned four client checkouts focusing on conversion optimization and improving conversion by 5.3% on average.
- Proved a connection between individual page elements and checkout time through a linear regression of client data.
- Envisioned, built, and sold a new company marketing initiative to systemize website redesign.
- Ideated agile, rapid changes to client sites through careful analysis of A/B tests through Optimizely and VWO.

Collegiate Consulting Group Brown University

Fall 2015 – December 2015

Consultant – Sportody project

- Conducted extensive primary (interviews) and secondary (information) research to scope out particular sports' market size and viability for Sportody's entrance into the New England area.
- Using benchmarking, devised recommendations for Sportody's service, including rebranding a sporting category.
- Created 5 slides for the final slide deck; presented to Sportody CEO and CFO.

Veni Vici Vidi Academy Johns Creek, GA

June 2013 – February 2015

Co-Founder, Software Development Lead

- Key driver in launching business; reconfigured business plan, attracting 50 clients in just 2 months.
- Developed large-scale item analysis software, integrating multiple Google Sheets via scripts (see "Projects" below).
- Rewrote our proprietary ACT curriculum. Later directed and configured logistics for an online writing class.
- Managed, guided, and taught a team of 8 interns during Summer 2014.

ACTIVITIES**CS 19 Teaching Assistant** Brown University

Fall 2016 – Present

- Competitively chosen to TA for Brown's accelerated intro cs course. Responsible for grading and holding office hours.

Brown Daily Herald Brown University

Fall 2015 – Present

Sales Associate

- Pitched, cold-called, and emailed local businesses encouraging advertising with Brown's student run newspaper.
- Made 13 sales totaling ~\$1100 in first year on staff.

Brown Science Prep Brown University

Fall 2015 - Present

Mentor

- Wrote and taught accessible 3-hour science lessons to Providence area high schoolers each week.
- Mentored and advised students about science, as well as high school/college apps in general.

TECHNICAL SKILLS**Projects**

- **Search** (2016): A search engine for a large (~7800 documents) subset of Wikipedia pages (XML). Emphasis on an efficient and space-friendly algorithm in parsing the XML corpus and writing results to easy-to-process files. *Scala*
- **Item Analysis** (2014 @ VVV Academy): Item analysis software that recommends ACT questions based on missed items—a database storing information on spreadsheets and processing it via scripts. *Google Sheets/Javascript*

Languages

- **Proficient:** Java, Scala, Pyret, Racket, Javascript + Excel, SQL + R, HTML + CSS + Bootstrap

INTERESTS

Startups, teaching, consulting, finance, iOS apps, strategic operations, the Atlanta Falcons, Batman, recreational eating