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## Education

**Yale University, 2017**  
Computer Science Major  
Cumulative GPA: 3.69

**AIT Budapest Summer, 2015**  
Mobile Software Development  
Grade: A+

**Blackduck H.S., MN, 2013**  
GPA: 4.05 ACT Score: 34  
Honors: Valedictorian

**Courses Completed:** Data Analysis, Data Structures and Programming Techniques, Mathematical Concepts for Computer Science, Automated Decision Systems, Systems Programming and Computer Organization

**Spring Courses:** Algorithms, Linear Algebra, Machine Learning, Astrostatistics and Data Mining

## Skills

Proficient in: C, R, HTML, CSS, Python, SQL

Experience with: Scheme, Swift, Java, C#, Unix, JavaScript, Agile-dev, web scraping, jQuery, data visualization

## Work Experience

**STATS LLC. SportVU Player Tracking Camera Data Analyst Intern** **July 2015 – August 2015**

- Fulfilled NBA team database query requests. Made first steps toward reducing SportVU system's reliance on play-by-play feed by identifying events in tracking data. Sped up database queries used to populate statistics website used by NBA teams. Worked on algorithm to identify transition basketball in tracking data.

**Design Angler Inc. Web Development Internship** **May 2014 – August 2014**

- Developed and assisted with the development of various websites while using HTML, CSS, and JavaScript.

**Student Technology Collaborative Computer Technician** **January 2014 – Present**

**CPSC 200 Introduction to Information Systems Peer Tutor** **January 2016 – Present**

## Projects

**Analysis of NBA Home Court Advantage and Effect of Travel Distance** **April 2015**

- Used R and linear model to quantify home team advantage in terms of points and visualize trend over time.

**DraftKings Fantasy Basketball Lineup Generator** **April 2015**

- Python program which combines data scraped from multiple websites to create daily fantasy projections and output the lineup of NBA players projected to score highest in that day's DraftKings NBA fantasy contests.

**NBA Shot Chart Visualizer** **January 2016**

- Developed web application to visualize the location of and view the video of any shot taken in an NBA game.

## Extracurricular

**Yale Club Basketball** **September 2015 - Present**

- Practice and play tournaments with club team, the 2014 National Champions. Vice President for 2016-2017.

**Yale Varsity Women's Basketball Practice Team Member** **October 2014 - Present**

- Assist Women's basketball team in practices by running upcoming opponents' plays during scrimmages.

**HackYale Web Development: Student-taught courses on HTML, CSS, and JavaScript**

**Others:** Minnesota Club member, Branford College Intramural Secretary