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Shane Fenske
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Education

Yale University, 2017
Computer Science Major
Cumulative GPA: 3.66

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

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

Fall Courses: Data Mining, Introduction to Databases, Big Data
Courses Completed: Machine Learning, Data Analysis, Systems Programming, Data Structures, Algorithms, Mathematical Concepts for Computer Science**,** Automated Decision Systems, Linear Algebra

Skills

Proficient in: Python (Pandas, NumPy, scikit-learn, matplotlib, web scraping), SQL, C, R, HTML, CSS
Experience with: JavaScript (d3.js), Unix, jQuery, data visualization, Scheme, Swift, Java, C#, Agile-dev, jQuery

Work Experience

Portland Trail Blazers Basketball Analytics Intern   June 2016 – August 2016

- Assisted the basketball analytics staff on various programming projects. Primary focus was on SportVU data and majority of work was done in Python. Worked extra hours in order to compliment the analytics experience with an education in basketball by assisting with front office tasks and player development.

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

- Fulfilled team database query requests. Made steps toward reducing SportVU system's reliance on PBP feed by identifying events in tracking data. Sped up database queries on website used by NBA teams.

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.

Projects

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.

DraftKings Fantasy Basketball Lineup Generator   November 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.

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

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

Extracurricular

Yale Club Basketball   September 2015 - Present

- Practice and play tournaments with club team, the 2014 National Champions. Co-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.

Others: Student Computer Technician, Information Systems Tutor, Minnesota Club, Intramural Secretary