

RYAN SPROULE

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EDUCATION

WASHINGTON UNIVERSITY St. Louis, MO

August 2015 - May 2019

Bachelor of Science in Computer Science (BSCS):

- Computer Science, Major. General Economics, Minor
- Overall GPA: 3.5/4.0

Relevant Coursework:

- Data Structures and Algorithms (CSE 247), Logic and Discrete Mathematics (CSE 240), Parallel and Concurrent Programming (CSE 231S), Rapid Prototype Development and Creative Programming (CSE 330S)

PITTSBURGH CENTRAL CATHOLIC HIGH SCHOOL

September 2011-May 2015

- 4-time High Honor Roll, 3 sport athlete (soccer, basketball, baseball), Graduated top 20 in class of 240 students, National Honor Society recognition
- Student tutor junior and senior year. Helped teach younger students with classes that I had taken before by tutoring and mentoring them before classes every school day.

SKILLS/STRENGTHS

Programming Languages: Java, C (Arduino C), Assembly, HTML, PHP, Python, MySQL, JavaScript, Swift

Software: Microsoft Office, Adobe Photoshop, iMovie,

Professional: Self-motivated, efficient time management skills, strong desire to further programming knowledge, teamwork skills

EXPERIENCE

PERSONAL PROJECTS:

May 2015 - Present

- Java Space Invaders game – after making Tetris in java for a final project, extended that knowledge and made several other mini-games in java including space invaders and snake for fun.
- Arduino Fitbit – used the Arduino accelerometer to make a step and sleep tracking system that sends data to a java application that visualizes the data in a dynamic graphical GUI.
- iOS (Swift) Matrix Calculator – combined skills learned from matrix class and swift knowledge learned on my own to build a working calculator that executes various matrix operations
- Java time management app (work in progress) – After being unhappy with the reminder and calendar apps available I started working on a java applet that allows me to track what homework/tasks I have and when they are due in a more intuitive and simple way for me

FRANK B. FUHRER WHOLESALE WAREHOUSE WORKER, Pittsburgh, PA

June 2016-August 2016

Top 20 largest beer wholesaler in the US, largest operating from on site, 80 suppliers, 600+ brands, 15 million cases.

- Worked as a loading coordinator during the night shift (5 PM – 2 or 3 AM) for 5 days a week (Sunday – Thursday)
- Culminated with a compiled report on warehouse procedures and conditions at the request of management to be used for improvements in efficiency and employee satisfaction

ACTIVITIES

WASHINGTON UNIVERSITY MEN'S SOCCER, St. Louis, MO

August 2015-Present

- Scored team-leading 7 goals (5 game-winners) and 17 points in sophomore season on Wash U's nationally ranked team.
- Selected to All-University Athletic Association (UAA) team as a freshman. Earned Academic All-UAA honors.
- Started 10 games as a freshman scored team leading 7 goals, tallied 16 points. Scored game winning, double OT golden goal against Case Western. Goal chosen for Wash U's list of "Top 10 Best Sports Moments in 2015" and helped the team earn a bid to the NCAA tournament.

BOOKS AND BASKETBALL YOUTH ORGANIZATION St. Louis, MO

February 2016 – Current

- Visit unprivileged elementary schools in the St. Louis area to tutor and mentor young students
- Helped to coordinate trips into the schools on weekends to spend extra time with our students
- Ran fundraisers in order to purchase new books and sporting equipment

SIGMA CHI FRATERNITY, St. Louis, MO

January 2016-Present

- Elected *Intramural Chair* of fraternity. Organized/scheduled seasons for several intramural sports teams.