Oliver Jaros

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EDUCATION

Santa Clara University, Santa Clara, CA June 2022

B.S. in Computer Science and Mathematics

Minor in Innovation and Entrepreneurship

- Relevant Coursework:Object Oriented Programming (C++), Data Structures, Theory of Algorithms, Embedded Systems, Logic Design, Operating Systems, Applied Entrepreneurship, Calculus 1-4, Discrete Mathematics, Linear Algebra, Probability and Statistics

PROJECTS

NBA Predictive Model 2020

- Created a model to predict the final scores of NBA games and simulate against Vegas odds.
- Gathered data from over 14,000 NBA games in the past 10 seasons using API endpoints supported by stats.nba.com.
- Found independent variable correlations to final scores using Python packages such as pandas and matplotlib.
- Used sklearn with Python to create a linear regression model that predicts final scores with a mean absolute error of 5.8 points.
- Scraped current NBA schedule and team stats using Selenium allowing for input of each game into the model and output of projected final scores.

Sonia's Snack Bar 2018

- Recognized the problem of long lines at my high school snack bar causing students to be late to class.
- Developed iOS application using Xcode allowing students to order snacks from anywhere on campus by paying with their student ID number.
- Automated and enabled pre-orders to reduce wait time by 70%.
- Received over 200 downloads on the iOS App Store within a week of launch.

EXPERIENCE

Software Engineering Intern Lenexa, KS

Big Blue Swim School *June-September 2020*

- Rewrote several components to support migration of the company website from Angular to Vue.
- Improved on styling and UI of the website using Tailwind CSS.
- Participated in daily progress report meetings with Scrum team and sprint planning meetings every 2 weeks.
- Coding in Dart/Flutter, fixed bugs on login and payment pages of mobile application.

Bartender Omaha, NE

The Sports Hall *June-September 2019*

- Developed clear communication skills by talking through tasks with a team of 4 bartenders.
- Learned to handle pressure by serving over 100 customers every fast-paced Saturday night.

SKILLS

Languages: C, C++, HTML, CSS, Javascript, Python, Dart

Frameworks/Technologies: Git, Vue.js, Node.js, Flutter, Selenium, Matplotlib

Interests: Woodworking, Golf, Fly Fishing, Travel, Fitness