

# Aidan Rausch

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Hardworking student-athlete majoring in Computer Science with a focus on Machine Learning and Data Analytics. Eager to apply problem-solving and programming knowledge and tackle the challenges within a software engineering internship.

## EDUCATION

**Whitman College:** Recipient of Whitman Achievement Scholarship and Whitman Endowed Scholarship

**Major:** Computer Science **Minors:** Mathematics, Data Science

**Study Abroad:** University College Dublin, Ireland

**Relevant Classes: (CS)** Data Structures, Data Science, Algorithms, Software Design, Machine Learning, AI, **(Math)** Calculus III, Linear Algebra, Probability Theory, Intro to Higher Math

## SKILLS

**C++ :** Extensive learning behind memory optimization and recreating Data Structures

**Java:** Software development and github project development

**Python:** Extensive use of Python libraries such as Pandas, Matplotlib, Scikit-Learn, and Numpy to build Machine Learning models and uncover insightful data analytics

## PROJECTS

**Linear Regression and Multilinear Regression: Student test scores, Housing Prices**

*(Python, Scikit-Learn, Pandas, Numpy)*

- Built and trained a Linear/Multi-Linear Regression Model. Learned Scikit-learn, how to use pandas to index and sort data, how to adjust features based on model success
- Implemented One-Hot encoding and Min/Max Scaling

**Web Scraper and Data Analysis**

*(Python, BeautifulSoup, Matplotlib, Selenium)*

- Developed a Python script to scrape sales data from a 16-page website
- Learned how to HTML parse websites and scrape static websites
- Also dove into selenium from non-static websites
- Leveraged Matplotlib to visualize data and correlations

## PROFESSIONAL WORK EXPERIENCE

**Basketball Coach, Stanford Athletics Department (Summer 2023)**

- Designed strategic skills programs under strict deadlines
- Taught teamwork, collaboration, and self-confidence

**Stanford Arrillaga Desk Manager (Summer 2022)**

- Managed student profiles and gym equipment while understanding customer needs

## ATHLETICS AND CLUBS

**Student Athlete, Whitman College Varsity Men's Basketball (Division III)**

- 20+ hours per week of practice with full academic workload load
- Learned complex plays and strategies while adapting to on the spot scouting report changes
- Team building activities to create long term interpersonal connections

**Whitman Clubs (Chess, and Magic the Gathering)**

- Weekly gatherings to play strategy card games and learn chess

## MORE ABOUT ME

**Additional Interests:** Blockchain technology, fitness and exercise, guitar and drums, chess, and traveling