

# Aidan Rausch

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**Hardworking, dedicated student-athlete majoring in Computer Science with a focus on Machine Learning and Data Analytics. Eager to apply creative problem-solving and programming knowledge and collaborate with others to tackle challenges within a software engineering internship experience.**

## 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:** 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, and 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
- Utilized selenium for 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 and ambitious deadlines
- Taught teamwork, collaboration, and self-confidence to young basketball players

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

- Managed student profiles and gym equipment while addressing customer needs

## ATHLETICS AND CLUBS

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

- Participating in 20+ hours per week of practice/games while also managing a full academic workload
- Learning complex plays and team strategies while adapting to on-the-spot scouting report updates
- Engaging in teamwork and team activities to build trusted connections and long-term interpersonal bonds

**Whitman Clubs (Chess, and Magic the Gathering, Whitman Computer Science Club)**

- Member of Chess, MTG, and CS Clubs and participate in weekly gatherings with peers to learn and deepen skills, play strategy card games and chess, and develop CS programs

## MORE ABOUT ME

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