

Jake Flynn

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EDUCATION

University of Washington

Master of Science in Data Science

Seattle, WA

Expected Graduation: March 2025

University of Washington, College of Engineering

Bachelor of Science in Bioengineering, Concentration: Data Science

Seattle, WA

June 2023

Cumulative GPA: 3.91/4.0, Major GPA: 3.93/4.0

Relevant Coursework: Machine Learning, Linear Algebra, Database Systems, Data Visualization, Data Programming, Calculus III, Bioinformatics, Synthetic Biology, Foundational Skills for Data Science, Introductory Statistics

WORK EXPERIENCE

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Data Analyst Intern

San Diego, CA

June 2022 - September 2022

- Developed database applications using Streamlit in Python that generates SQL queries and filtered data upon user input to assist process/product engineers with querying manufacturing views from Snowflake.
- Performed exploratory data analysis and created visualizations on reagent filling failures and recommended specific reagents that should be further investigated to improve manufacturing yield, demonstrating statistical knowledge.
- Participated in various phases of the Software Development Life Cycle (SDLC) in different projects.
- Volunteered with Genetic Alliance where I contributed to increasing accessibility for patients by updating their questionnaire database to include multiple language options.

SteadyMD

Medical Operations Intern

Seattle, WA

June 2021 - June 2022

- Managed and directed several client accounts, working closely with clinicians to understand their problems and develop technical solutions.
- Communicated directly with insurance companies and imaging facilities to approve and schedule patient testing.
- Demonstrated an understanding of the healthcare domain by assisting SteadyMD providers with data entry, referrals, and technical issues.

University of Washington, Department of Bioengineering

Research Intern at Cell Biomechanics Lab

Seattle, WA

May 2020 - May 2022

- Performed experiments to determine the optimal design of a microfluidic assay that predicts bleeding and thrombotic risk in trauma patients.
- Conducted image analysis using MATLAB and Python scripts to evaluate platelet function under a variety of conditions, resulting in a publication in [Blood Advances, 2021](#) and research presentation at the University of Washington Undergraduate Research Symposium.

LEADERSHIP ACTIVITIES

University of Washington, Undergraduate Teaching Assistant

July 2020 - June 2023

- Facilitate weekly classes and build curriculum as an instructor for UW Math Academy, ENGR 201 (Engineering Dean's Scholars), GEN ST 199 (University and Community), BIOEN 217 (MATLAB Fundamentals), and CSE 416 (Machine Learning).
- Lead weekly quiz sections, host office hours, and grade student conceptual and programming assignments.
- Collaborate with advising staff to create content geared towards engineering exploration.

Washington State Opportunity Scholarship, Scholar Lead

June 2022 - Present

- Provide on-campus peer mentorship to 10-15 newly selected Opportunity scholars at the University of Washington under the supervision of the WSOS Scholar Success team.

ADDITIONAL INFORMATION

Honors: Husky 100 Award Recipient, Magna Cum Laude, Mary Gates Research Scholarship

Skills: Proficient in Python, Pandas, NumPy, SQL, scikit-learn, PyTorch, MATLAB, R, Git, Microsoft Excel, Tableau