

Alivia Missimer

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Education

University of Pittsburgh

Aug. 2022 - April 2026

Bachelors of Science in Data Science, Minors in Business and CS

GPA - 3.72/4.00

Relevant Coursework: Algorithms & Data Structures 1 & 2, Analytic Geometry & Calculus 1 & 2, Intro to Matrices & Linear Algebra, Applied Statistical Methods, Discrete Structures, Social Implications of Computing Technology

Experience

Software Engineering Fellow

July 2024 - Present

Headstarter AI

Remote

- Built 5 AI apps and APIs using NextJS, ReactJS, OpenAI, AWS, and Firebase
- Developed projects from design to deployment with 3 engineering fellows using MVC design patterns
- Coached by Amazon, Bloomberg, and Capital One engineers on Agile, CI/CD, Git, and microservice patterns
- Created a final project to achieve 1000 users with 3 engineering fellows

Projects

TS Shakespeare Classifier | Jupyter Notebooks, Python, Scikit-learn, Pandas, Matplotlib

July 2024

- Utilized a TF-IDF Vectorizer to convert textual data into numerical feature vectors
- Trained a Logistic Regression Model with 79.8% accuracy based on a dataset of over 450+ Taylor Swift lyrics or Shakespeare quotes using Scikit-learn

Stardew Valley Analysis | Jupyter Notebooks, Python, Pandas, NumPy, Matplotlib

June 2024 - Present

- Analyzed game data to identify the most valuable fish and crops in Stardew Valley based on various metrics
- Collected and cleaned data from the Stardew Valley Wiki to ensure data consistency was maintained across all datasets

Study Space | Swift, Xcode

January 2024

- Collaborated with a team of two individuals for the SheInnovates Hackathon against 95+ peers
- Created a working prototype of a mobile application to reserve rooms to study on Pitt's campus

Ranking of Pittsburgh Neighborhoods | JupyterLab, Python, Pandas, Matplotlib, Git

November 2022

- Collaborated with a team of two peers to assess Pittsburgh neighborhoods' rankings using datasets on parks, crime rates, and school enrollment from the WPRDC

Activities

Women in Computer Science (WiCS)

Aug. 2022 - Present

Active Member

- Attend weekly meetings and workshops to connect with peers interested in Computer Science
- Participate in resume reviews, networking events, and mock interviews gaining valuable feedback from experienced professionals

Technical Skills

Languages: Java, Python, Javascript, HTML, CSS, Swift, MIPS

Frameworks: ReactJS, NextJS, NodeJS, Firebase

Developer Tools: Git, VS Code, Eclipse, Xcode

Libraries: Pandas, NumPy, Matplotlib, Scikit-learn