Sirena Akopyan

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EDUCATION

UNIVERSITY OF WASHINGTON   Seattle, WA

Major in **Informatics**, **Data Science** Track. B.S.; Minor in Business Administration.   Expected **Jun 2024**

Relevant Coursework: Databases & Data Modeling, Product Management, Data Science Foundations, Statistics, Computer Programming in Java, Accounting, Research Methods, Design Methods, Data Programming in Python II

WORK EXPERIENCE

AMAZON WEB SERVICES (AWS)   Seattle, WA

Incoming Technical Business Development Intern   Jun 2023 – Sept 2023

UNIVERSITY OF WASHINGTON INFORMATION SCHOOL   Seattle, WA

Peer Advisor   Sept 2022 – Present

- Advise 500+ undergraduate/prospective Informatics students on career paths, courses, and graduation planning
- **Present to 20** Information School **founding board executives** quarterly as a student representative

INFORMATICS UNDERGRADUATE ASSOCIATION   Seattle, WA

President, Formerly Director of Outreach   Mar 2022 – Present

- Devised Informatics Undergraduate Association's long term vision and roadmap; pitched to **20+ UW Faculty**
- **Increased** Alumni **engagement by 30%** in the span of 7 months

UNIVERSITY OF WASHINGTON   Seattle, WA

Teacher Assistant (Intellectual Foundations of Informatics)   Mar 2022 – Present

- Taught fundamental Informatics concepts in a **weekly lab** to **25+** students
- Designed 10 weeks of course materials and lectures on **product design**, information architecture, and user experience

UNIVERSITY OF WASHINGTON   Seattle, WA

Research Assistant (Improving women of color's experience in computing education)   Nov 2021 – Feb 2022

- Conducted, reviewed 20+ interviews and **analyzed qualitative data** using Atlas.TI
- Evaluated and interpreted survey data to understand **stakeholder** perspectives; generated **3 user personas**

ROTARY INTERNATIONAL   Antigua

Networking Technician   Sept 2018 – Jun 2020

- **Configured networking systems** and computers for **24 different primary schools** in Antigua
- Assessed and **developed 6 product repair pipelines** for Antiguan IT specialists

PROJECTS

<u>**STROKE PREDICTION MODEL**</u> |Python, Machine Learning, Plotly, Seaborn

- Developed a **logistic regression machine learning model** in **Python** to predict stroke risk in patients based on health data
- Visualized and analyzed model performance, identified key risk factors and mapped distribution across the United States

<u>**FACEBOOK DATABASE**</u> | SQL, Tableau

- Built functional replica of the Facebook **ERD** with **SQL** and utilized the Software Development Life Cycle with team of 4
- Presented **database schema** and design process with **visualizations** using **Tableau dashboard of core business KPIs**

<u>**TRIPFLIP**</u> | Figma, React Native, Expo Go, Javascript, Express

- Created a functional prototype in **Figma** and a **Minimum Viable Product** with React Native in a 36 hour **hackathon**

<u>**FUEL EMISSIONS**</u> | R, Kaggle, ggplot2, ShinyApps

- Deployed an **interactive visualization** with **ggplot2** using **ShinyApps** to display fuel consumption in different countries

<u>**DUBLINK**</u> | Product Specification, Agile, Azure DevOps, Sprints, Data Flow Diagrams, User Stories

- Spearheaded development of a UW alumni networking app proposal as product manager in a team of 5

<u>**INTERACTIVE SALES DASHBOARD**</u> | PowerBI

SKILLS

Programming Languages: Python, R, SQL, Java, Html, CSS, React
Tools: Tableau, Excel, PowerBI, FIGMA, Miro, UML Diagrams, UI/UX, AWS, AGILE, LEAN, Microsoft Suite, Git