

Elanor Finlayson
(404) 599-3083
efinlayson3@gatech.edu
www.linkedin.com/in/elanor-finlayson/

EDUCATION

Georgia Institute of Technology, Atlanta, GA.

Expected December 2024

B.S. Computer Science Candidate

Relevant Coursework: Machine Learning, Intro to Artificial Intelligence, Data Structures and Algorithms, Computing for Data Analysis, Object Oriented Programming

Extracurriculars: Georgia Tech Cycling Club, Women @ College of Computing

EXPERIENCE

Data Analyst and Automation Intern. Elevance Health; Atlanta, GA.

June – Aug. 2023

- Employed Python and SQL for data manipulation and reporting in order to optimize workflow efficiency and enhance data-driven strategies.
- Outlined a framework for future data pipeline in order to increase real-time reporting and reduce manual processing.

Student Assistant. The Cope Lab at Georgia Institute of Technology; Atlanta, GA.

May 2023 – Present

- Implemented Python and Matlab based libraries to aid in computer vision efforts in order to classify and quantify animal behaviors.
- Utilized machine learning libraries to develop quantitative metrics and cluster action potentials.

Data Assistant. Johns Hopkins Center for Immunization Research; Baltimore, MD.

May – Aug. 2022

- Contributed to the data collection efforts for clinical shigella challenge studies by inputting data into RedCap and Emmes databases.
- Conducted quality assurance on study documents and supported study recruitment efforts.
- Managed wearable technology for inpatient studies and provided technical support for the devices.

PROJECTS

Touch Cord:

- Designed and implemented signal processing techniques for real-time gesture detection on a cord interface. Contributed to the creation of a visual display and evaluated the accuracy of gesture detection in the system.

Key skills: Signal Processing, Python, Group Collaboration, GitHub

Diabetes Serious Games:

- Collaborated with a team to design a game that teaches non-diabetic individuals how to respond to medical emergencies and raise awareness of early symptoms.

Key skills: Python, Gamification, Group Collaboration, GitHub

Crowd-Sourced Stock Market Analysis:

- Conducted sentiment analysis on r/wallstreetbets subreddit posts using a RoBERTa transform model and VADER sentiment model to determine the optimal model for sentiment classification and gain insights into stock market sentiment.

Key skills: Machine Learning, Python, Group Collaboration, GitHub

Board Game:

- Developed a virtual board game using a React framework and hosted the site on GitHub pages. Created an AI player to play against the user using a recursive minimax function.

Key skills: HTML/CSS, JavaScript, React Framework

SKILLS

- **Programming Languages:** Python, Java, C, JavaScript, HTML/CSS, SQL, Matlab
- **Tools:** Git, GitHub, Visual Studio Code, Figma, WordPress, Microsoft Suite