Joseph B. Horner | McLean, VA | 703-424-4832 | joseph_horner@outlook.com | linkedin.com/in/joseph-horner-258299313 | **Website:** joeyhorner.github.io/LandingPage **| GitHub:** github.com/JoeyHorner

EDUCATION	**George Mason University** – Fairfax, VA	January 2025 - TBD ▪ M.S. in Software Engineering **William & Mary** – Williamsburg, VA	May 2024 ▪ B.S. in Computer Science, Math minor. GPA: 3.6, *cum laude* ▪ Dean's List: Spring 2022, Fall 2022, Fall 2023, Spring 2024 **Florence University of the Arts –** Florence, Italy	January 2024 ▪ Collaborated with students from various universities in projects exploring Italian culture
PROJECTS	**Maze Project** - expanded upon an existing code base to create an Android app and automated algorithms for a maze game. Developed extensive unit testing using JUnit to ensure functionality of the app in edge cases. **Pantry Tracker -** developed a NextJS web app using MUI components that tracks items in a pantry in a Firestore database. Integrated the Reflection70B AI through the OpenRouter API to add a feature to generate recipes based on the items in the pantry. **Bitcoin Trading Algorithm -** expanded upon an open-source code base to scrape data and process it into a dataset, using machine learning models to predict whether Bitcoin prices will increase or decrease over 1 day, 7 day and 30 day time intervals. **Network Analysis Project** – collaborated with 4 classmates to collect network traffic data from various sites using Wireshark and employed machine learning models to predict the types of service offered based on features such as network protocols used.

RELEVANT COURSEWORK	System programming Software Development Computer Organization Ops Research Deterministic Model Database Systems	Intro to Machine Learning Network Systems and Design Introduction to Edge Computing Obj Orient Software Specification and Construction Info Security Theory/Practice

PROGRAMMING LANGUAGE EXPERIENCE AND RELEVANT SKILLS	Python C++ XML Y86 Assembly (some experience) Jupyter Notebook Web App Development	Java C Pascal (some experience) Haskell (some experience) Android Development CSS	ReactJS NodeJS HTML Github Linux JavaScript

WORK EXPERIENCE	**AI Trainer** – DataAnnotation.tech	November 2024 - Present ▪ Contributed to projects rating AI prompts related to computer science and other topics. **Tile Worker** – R. Bratti Associates	Summer 2020, 2021, Winter 2021 ▪ Prepared floor tiles for contractors to lay at various D.C. area metro station sites with some of the most notable projects being East Falls Church, West Falls Church, Dunn Loring, Greenbelt. ▪ All metro projects were completed on time. **Bagger/Courtesy Clerk** – Giant	Summer 2019 ▪ Bagged groceries/Carried groceries to the car for the elderly. ▪ Performed various roles such as cart collection and item restocking to assist the store where understaffed and developed strong customer service skills.

VOLUNTEER/OTHER EXPERIENCE	Boy Scouts of America **-** Eagle Scout	August 2020 Fairfax County Park Authority	2021 Seabury Resources for the Aging – Volunteer	2018, 2019, 2020