Joseph Soroka

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Computer Science Internship

Excited to apply Computer Science principles to varying and complex problems

Technical Skills

- C/C++, C#, Java, Python, JavaScript, Golang, Assembly
- Machine Learning, Linear Algebra, Networking
- Web Development, SWE, Cybersecurity

Projects

MLEngine | *C++, Machine Learning, Linear Algebra*

A machine learning framework written from scratch in C++ to allow a user to define custom neural network solutions with YAML

ReconSuite | *Golang, Networking, Cybersecurity*

Several programs developed to aid in Cybersecurity recon, written in Golang, prioritizing security and using telegram as a remote control platform

NBody Simulation | *C++, OpenGL, Physics, CUDA*

A dynamic point simulation making use of CUDA to simulate many thousands of celestial bodies in real time and using OpenGL to display them

Messaging Board | *Assembly, Networking*

Programmed in assembly to allow users to connect and communicate on a local network, including it's own authentication system and allowing users to message directly

Dive Computer | *C#, Unity, Physics*

A dive computer that makes use of the industry standard algorithm (ZH-L16) used by recreational divers around the world to ensure a safe dive

Experience

Applicable

- Attended several hackathons
- Participated in Kaggle competitions to develop unique AI solutions

Work

- Home Depot, *Construction Associate*   Jan 2025 – Present
- Remlinger Farms, *Livestock and Farm Associate*   Summer 2021

Certifications

- LinkedIn – Building Computer Vision Application with Python, Hands-On PyTorch Machine Learning
- Kaggle – Data Cleaning, Data Visualization, Intermediate Machine Learning, Intro to Deep Learning, Intro to Machine Learning, Pandas, Python

Education

High School Graduate 2025, Cedarcrest High School, Duvall, WA

- Peer Tutor for CS, AP Computer Science, Game and App Dev, and Intro to Programming

Bellevue College - Running Start, In Pursuit of A.A. Degree in Software Development

- CS 211 – Fundamentals of Computer Science II
- IT 101 – Intro to Information Technology
- AI 240 – Programming for Machine Learning
- AI 260 – Computer Vision in Control Systems

Recommendation Letters to Follow/ Attached Separately