Cameron Dugan
github.com/camerondugan

SKILLS
Favorite Tools: Nix, Docker, SSH, NeoVim, TMUX, FZF, Zoxide, SyncThing
Programming Languages: Go, Python, Rust, Java, C++/C, Dart, Lua, Assembly, R

EXPERIENCE
AI Development Intern at Island Exterior Fabricators in Boston, MA   Sep 2023 – Dec 2023
 - Developed multiple neural networks to adjust label positions in manufacturing drawings
 - Automated improved clarity and accuracy of essential manufacturing drawings

AI Research Assistant at WIT in Boston, MA   Jun 2023 – Sep 2023
 - Developed a novel neural network training loop for adversarial AI purposes
 - Automated 3D rendering essential for training the model

AI Research Assistant at WIT & Amazon in Boston, MA   Jan 2023 - Apr 2023
 - Provided insights that benefited the creation of the Amazon Echo Show 10
 - Developed Python automation and visualizations for AI model fine-tuning
 - Modified site-packages to setup a Raspberry Pi 4 to run our TensorFlow model

ABAP Intern at Charles River Labs in Remote Wilmington MA   Jun 2022 - Aug 2022
 - Learned and practiced SAP + ABAP Development Methodologies
 - Automated email tasks in Microsoft Power Automate

PROJECTS
Chess Engine in C# (Individual) | gitlab.com/cameron.dugan/chess-challenge
 - Implemented a relatively strong chess engine in <150 lines of code
 - Used Hamming Weights for bit counting on a bit representation of a chess board

Genetic A.I. in Rust (Individual) | gitlab.com/cameron.dugan/genetic-algorithm-in-rust
 - Created a simple and clean parallel genetic algorithm in Rust using the standard libraries

AutoDrop Project in Python (Group) | github.com/camerondugan/AutoDrop
 - Developed multi-threaded peer to peer client for automatic file transfer
 - Created a folder structure for incoming files by client to avoid overwriting same named files
 - Programmed multi-threaded local network peer discovery

Succulent Multi-platform App in Flutter (Individual) | Google Play: Search (camerondugan)
 - Incorporated a dynamic and smooth card-like interface with Flutter
 - Designed plain-text back-end for quick save state editing

ACTIVITIES
Award Winner of VR Jam at Wentworth VR Event   July 2023
 - Adapted a game I made to run in VR using movement mechanics from popular VR titles

1st Place at WIT Game Jam | https://sire-inc.itch.io/you-are-not-a-clone   July 2023
 - Developed award winning 2D Platformer "You are not a clone" in a team environment

Competitor for MIT Battle Code | https://battlecode.org   January in 2020-2024
 - Finished 13th in Finals of 2020 and 18th US Qualifying of 2022
 - Led a team to solve problems such as low resource path-finding and message communication

Eagle Scout of Troop 272 from the Boy Scouts of America   August 2020
 - Held leadership roles and developed skills for working with and leading teams of young adults
 - Led and funded a project to build 4 picnic tables for Sargent Park in Nashua NH

EDUCATION
Wentworth Institute of Technology (WIT) | Boston, MA   August 2024
 - Bachelor of Science in Computer Science
 - Major GPA 3.5/4.0, Overall GPA 3.4/4.0
 - SCDS Academic Excellence Award Winner 2024
 - Dean's List Fall 2021, Fall 2022, and Spring 2024