

Cameron Dugan

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EDUCATION

Wentworth Institute of Technology | Boston, MA

Bachelor of Science in Computer Science

Overall GPA 3.2/4.0, Major GPA 3.5/4.0

Dean's List (Last Semester)

Related Courses: Architecture and AI, Algorithms, Data Structures, Computer Organization, ...

SKILLS

Programming Languages: Rust, C++, C, Java, Dart, Python, Matlab, R, Lua

Front Ends: Flutter with Dart, GTK4 with Rust, Oculus Quest VR App with Godot

PROJECTS

Succulent Multi-platform App | Flutter/Dart (Individual) | [Google Play Store](#) December 2021

- Designed plain-text back-end to allow cheating if someone wanted
- Used flutter widgets to create a dynamic and smooth card-like interface

AutoDrop | Python (Group) | github.com/dugancatwit/AutoDrop December 2021

- Developed multi-threaded peer to peer client code for automatic file transfer
- Created a folder structure to separate incoming files by client to avoid overwriting same named files
- Programmed multi-threaded peer to peer local network client discovery

Abstract Art Generator | Python (Individual) | camerondugan.com/blog/dream-bot August 2021

- Imported original image to fill with transparent pixels for regeneration
- Used the original image to generate tangent pixel probabilities for a given color
- Wrote code to fill empty pixel given surrounding pixel based on stored probabilities

Website with Liquid HTML | Jekyll (Individual) | camerondugan.com March 2021

- Designed for the purpose of publicly logging my misadventures in computer science
- Chose to use Jekyll and Simple.css due to their small output size and easy management
- Hosted on a personal Raspberry Pi 4 with other services to reduce hosting cost

Experience

Wentworth Institute of Technology Success Center | Boston, MA January 2022 - Present

Embedded Tutor/Peer Tutor

- Guided students through computer science 1 and 2, as well as algorithm problems
- Joined computer science 2 labs to help with in-class assignments.

Patrick's Pub | Gilford NH June 2021 - August 2021

Dishwasher

- Washed incoming dishes and cooking-ware to ensure the kitchen remained operational

Activities

MIT Battle Code | Java Programming Competition January 2020, 2021, and 2022

Team Leader

- Lead a team to solve problems such as agent path-finding and shared-array inter-agent communication
- Finished Top 13 US in Finals in 2020 and Top 50 US + International in 2022

Boy Scouts of America | Troop 272

Eagle Scout

- Held leadership roles and developed skills for working with and leading teams of young adults
- Lead and funded a project to build 4 picnic tables for Sargent Park in Nashua NH