ANDREW **EGGLESTON**

Software Engineer

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WORK EXPERIENCE

Genelec Inc.

Technician

Creating tools to streamline shipping procedures. Managing network architecture to support **Dante** networking protocol with DHCP and mDNS. Testing software which managed DSP calibration hardware installed in speakers.

March 2020 - Present Natick, MA

Open Avenues Foundation

Student Consultant

Completed a software development industry project at thirdweb. Gained a strong conceptual understanding of blockchain principles, specifically **Ethereum** and the **EVM**. Used **Solidity** to complete a series of programs, culminating in a self-directed project. I made a tictactoe game where players can wager eth on who will win the game.

Fall 2023

Northrop Grumman

Software Engineer

Created an employee management database. Gained experience in **Java EE**, **angular.js**, and **SQL**. Utilized Agile software development process to organize tasks.

June 2019 - August 2019 Baltimore, MD

PROJECTS

Death By Dagger

github.com/andreweggleston/DeathByDagger

A game resembling 'Senior Assassin,' updated for the electronic age. Made use of the **Slack API** to keep players updated on their status in the game. Created using **Go**, with data hosted on **PostgreSQL**.

OxiDish

github.com/andreweggleston/OxiDish

A CRUD app to store recipes, queryable by ingredients. Great for figuring out what you can make with ingredients in your fridge. This is just the backend, written in **Rust** with the **Axum** web framework and **sqlx**. Currently developing a **Vue** frontend.

Observer

github.com/andreweggleston/observer

A web application designed to view Dota 2 replays. Replays consist of **ProtoBuf** network packets from all players. **Observer** translates this network data into meaningful information such as player location and state. Written in **Go**, frontend with **React**.

SUMMARY

Software engineer who is an eager learner.
Looking to gain experience in the field.
Enjoys deep dives into systems and understanding what makes a performant solution.
Fascinated by CS foundations and interactive theorem proving!

SKILLS

Languages

Java Go C Python

Tools

Linux git Bash SQL/OracleDB Docker/IaC LaTeX

COURSEWORK

Operating Systems
Computer Architecture & Assembly
Organization of Programming Languages

EDUCATION

UMass Lowell

BS in Computer Science

Dec 2025

MassBay Community College

AS in Computer Science

Dec 2023

ACTIVITIES

MassBay ACT CyberRange

Student Worker

January 2022 - Present

Managing a cluster of Xen Hypervisor machines used to host virtual labs (a Cyber Range) for Cyber Security and Computer Science students

AWARDS

Dean's List

MassBay Fall '22, Spring '23, Fall '23