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/andrewegglleston/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/andrewegglleston/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/andrewegglleston/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 fundamentals 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