

# 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 tic-tac-toe 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](https://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](https://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](https://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

Entry 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.

## SKILLS

### Languages

Java Go C Python

### Tools

Linux git Bash SQL/OracleDB  
Docker/laC  $\LaTeX$

## COURSEWORK

Operating Systems  
Mechanics of Programming  
Computer Architecture & Assembly  
Software Design

## EDUCATION

### MassBay Community College

AS in Computer Science

📅 Dec 2023

## ACTIVITIES

### Computer Science House

Member

📅 September 2018 - Present

Living and learning community focused on growing member's careers and knowledge.

## AWARDS

### Dean's List

MassBay

📅 Fall '22