

# ANDREW EGGLESTON

## Software Engineer

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## WORK EXPERIENCE

### Genelec Inc.

#### Technician

Created a paperless online system for sending purchase orders to shipping. Updated network architecture to support **Dante** networking protocol with DHCP. Tested software which managed DSP calibration hardware installed in speakers.

📅 March 2020 - Present

📍 Natick, MA

### 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**.

### Garage Door Opener

A small script which hosts an **Apple HomeKit** server, running on a Raspberry Pi Zero W. The server is implemented in **Rust** and exposes an otherwise 'dumb' garage door as an 'accessory' that can be controlled by ones phone. The Pi Zero is wired to the garage door using the Pi's builtin GPIO ports which the script controls through Linux's `/sys/` directory.

### 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**.

### WHS Planner

[github.com/s0urc3d3v3l0pm3nt/whs\\_planner](https://github.com/s0urc3d3v3l0pm3nt/whs_planner)

A client application developed to provide students with a simple schedule planner and organizer. The application features an intuitive calendar, an automatically updating schedule, and a live news feed. The app was created using **Java**, with **JavaFX** as a graphical framework.

## SUMMARY

Entry software engineer who is an eager learner and looking to gain experience in the field. Enjoys deep dives into systems and designing performant, understandable solutions.

## SKILLS

### Languages

Java Go C Javascript

### Tools

Linux git Bash Agile  
SQL/OracleDB Docker/IaC  $\LaTeX$

## 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