

ANDREW EGGLESTON

Software Engineer

✉ egglesonandrew927@gmail.com

☎ +1 (508) 988-5104

🌐 [andreweggleson](https://andreweggleson.com)

WORK EXPERIENCE

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

Genelec Inc.

Technician

Designed systems for routing audio and video from production to editing. Created network architecture using **Dante** protocol and DHCP. Created software which managed DSP calibration hardware installed in speakers.

📅 March 2020 - Present

📍 Natick, MA

PROJECTS

Death By Dagger

github.com/andreweggleson/DeathByDagger

A fun game, 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**.

Javascript Raytracer

github.com/andreweggleson/js-rtx

A small **p5.js** example created to demonstrate how raytracing can be used to make a depth effect when rendering images a la DOOM. Learned about browser rendering & associated pipelines.

Observer

github.com/andreweggleson/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

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.

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.

OBJECTIVE

Seeking a co-op / internship opportunity for Spring and/or Summer 2022.

EDUCATION

Rochester Institute of Technology

BS in Computer Science

📅 Sept 2018 - Sept 2019

MassBay Community College

AS in Computer Science

📅 May 2022

COURSEWORK

Operating Systems
Mechanics of Programming
Introduction to CS Theory
University Physics 1 & 2

SKILLS

Clearance Level - Secret

Languages

Go Python Java C Javascript

Tools

Linux Agile git SQL/OracleDB
Bash Docker Kubernetes Node.js
OIDC \LaTeX

ACTIVITIES

Computer Science House

Member

📅 September 2018 - Present

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

AWARDS

President's Scholar

R.I.T

📅 Spring '18