

# ANDREW EGGLESTON

## Software Engineer

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## 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. Maintained DSP calibration hardware installed in speakers.

📅 March 2020 - Present

📍 Natick, MA

## PROJECTS

### Death By Dagger

[github.com/andreweggleson/DeathByDagger](https://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 Raytracing

[github.com/andreweggleson/js-rtx](https://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 (as long as everything can be described as a straight line). Created during the design process of a two day hackathon.

### Observer

[github.com/andreweggleson/observer](https://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](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.

## 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