

PROJECTS

Firework Terminal

June 2023

- Developed a user-friendly GUI for managing fireworks inventory and pricing using Python
- Implemented features to add and manage inventory, including adding items to a cart
- Incorporated functionality for applying tax, discounts, and deals to transactions
- Created windows for generating and printing receipts
- Integrated CSV functionality for streamlined client use, stock management, and transaction tracking

Traffic Podunk

Spring 2023

- A project that involved using synchronization primitives for OS/161 to solve a synchronization problem using C
- Implemented locks and conditional variables
- Navigated through OS161 and learned how to build the Kern system
- Solved deadlock and starvation problems

MangaTracker

Sept 2022 - Dec 2022

- A website that looks up Manga in a SQL database
- A group project in an agile software development environment
- The technology used: React, Java Springboot, and SQL
- Backend Developer

Custom Cards on EDOPRO

Jan 2022

- Scripting, coding, and designing custom Yu-Gi-Oh cards for the EDOPRO program using Lua

EDUCATION

B.S in Computer Science

George Mason University

August 2019 - December 2023

- Relevant courses: Data Structures, Computer Systems & Programming, Analysis of Algorithms, Software Engineering, Database Concepts, Secure Programming and Systems, and Operating Systems

SKILLS

Programming Languages

- Java, Python, C/C++, Javascript, Lua, SQL

Utilities

- Proficient operating in Linux, Windows, UNIX, Oracle Database, and MongoDB
- Extensive use of React, Spring boot, and Git
- Proficient in using Microsoft Excel, Word, and PowerPoint
- Seasoned in the use of IDEs such as VScode and Eclipse.
- Proficient in writing adaptable code and modifications.

EXPERIENCE

Firework Manager

Summer Seasonal

Gorilla Firework, Ashburn

- Supervised, and trained team members to perform their job functions effectively.
- Responsible for interviewing personnel hiring and recruitment
- Ensuring compliance with company policies and procedures.
- Maintained hardware was up to date and problem-solved technical difficulties