

Kyle Mumma

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Education

B.S. Computer Science

University of Washington
Seattle, WA | March 2023
GPA: 3.76

North Creek High School

Valedictorian | June 2019

Relevant Coursework

Foundations of Computing I & II
Software Design & Implementation
Data Structures and Parallelism
The Hardware/Software Interface
Systems and Software Tools
Systems Programming
Artificial Intelligence

Calculus Series

Matrix Algebra

Statistics

Mathematical Methods for
Quantitative Finance

Skills

java		
c++	c	assembly
bash	git	http requests
python	numpy	
javascript + es6	react	
html + css	bootstrap	
r	sql	latex

Selected Projects

Senior Assassin Manager (github.com/kylemumma/senior_assassin)

React | Google OAuth | Node.js | CORS | NeDB | HTML + CSS + Bootstrap

I was responsible for the entire development of a full-stack web app that managed the game “senior assassin” for my high school. Users could log in via google to the front end react app which would display their “current target” for the week.

The user interface was created using React with Google OAuth for user verification and hosted on Netlify. The backend was managed with an API created in Node.js and protected with CORS hosted on Glitch.com. Game management was handled using a custom linked list data structure created in Javascript. Data was encrypted and stored in an NeDB database accessible to the API.

Instasafe

Python | Requests | BeautifulSoup | APIs

In a team of 4 other programmers at Code Day Bellevue, I was responsible for the development of the web scraping and api integration of this desktop application. This desktop app collected instagram user data using Python, Requests, and BeautifulSoup. This data was then sent through an image classification api as well as a natural language processing api used to classify hate speech. These results were then input into a custom made algorithm that returned a “threat level” of the given user in order to detect and prevent potential school shootings. This data was then consolidated and displayed in a desktop UI using XAML.

Experience

STEP Intern, Google

Remote | June 2021 - Sept 2021

Incoming STEP intern on the Google Chat team for summer 2021.

Volunteer Python Instructor, Meetup

Bellevue, WA | Sept 2018 - Mar 2019

Created and managed the “learn to code with python” meetup group where I was responsible for planning and instructing intro to python classes. Over the course of volunteering I hosted over ten events and recruited over 200 members.