

LIAM WILBUR

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EDUCATION

Crescenta Valley High School

Coursework: AP Computer Science A, AP Physics, AP European History *GPA: 4.3*

2020 - 2024

PROJECTS

Bracket Generator Website

<http://tournamentgenerator.b4a.app>

Javascript, Html, css, back4app

- Web application to dynamically generate tournament brackets for user inputted teams
- Allows users to create tournaments and have participants join with multi-device syncing, achieved via the use of a cloud-based relational database
- GraphQL and REST compatible
- Incorporates responsive web design practices for usability across a wide variety of devices
- Implemented standard CRUD actions for tournament objects

15 Puzzle

<https://github.com/Lwilbur0/15-Puzzle>

Java

- The classic “15 Puzzle” implemented as a Java application
- Implemented the ability to store times
- Developed an algorithm to generate sufficiently random scrambles

Check-In System

<https://github.com/Lwilbur0/Check-in-System>

Javascript, Google App Script, Google Sheets

- Wrote javascript based contract tracing service to track close contacts of those who test positive for COVID-19
- Data is automatically processed with sorting and alphabetization to improve readability for the end user

SKILLS

Advanced:: Java, Javascript, Css, Html, Microsoft Excel/Google Sheets, Google App Script, Back4App

Proficient: MongoDB, Python, Photoshop

ACCOLADES AND ACTIVITIES

Model United Nations President

2019-2020

Youth and Government Ambassador

2022-Present

USACO Participant

2021