Troy Clendenen

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Education :

- *B.S. in Computer Science,* University of Oregon, Eugene, OR, September 2019 - June 2022
    - *Minors:* Mathematics and Music Technology
- Oberlin College, Oberlin, OH, August 2017 - May 2019
- 3.74 GPA
- Relevant Coursework**:**
    - Software Methodology, Game Development, Systems Programming, Computer Architecture, Data Structures, Algorithms, Linear Algebra

Skills :

- Programming Languages: Python, C, C#, C++, Java, MIPS
- Platform/OS: Windows, Linux (Ubuntu), MacOS
- Revision Control: Git
- Frameworks: .NET, Geopy, OpenRouteService

Coding Projects :

- **Suprise Monster Havoc:** I worked with a few classmates to develop a game using Unity. It's a randomly-generated, first-person space shooter game. I contributed by programming all the UI elements, and by creating the environment, sounds, and a custom soundtrack.
- **Biking and Route Planning Service:** I was part of a team that helped design a route info & planning web application using Python and Flask. I worked mostly on the Python code that communicated with various web API's to get information about a certain place or route (directions, air quality, weather, etc).
- **Compiler from scratch:** I've been writing a compiler from scratch in C# using the .NET framework to create my own programming language. I'm always adding on to this project, since I'm really interested in how compilers and programming languages work on a low level.

Work Experience :

- **IT Quality Assurance, Health and Safety Institute,** Summer 2018, Summer 2019
    - I was tasked with catching inconsistencies in HSI's online software used to teach and manage First Aid/CPR training programs. Towards the end I also helped create documents to help teach new hires and users how to use and get affiliated with the software.
- **Sound Mixer, Sound Designer, Health and Safety Institute,** Summer 2019
    - I was also commissioned to be an audio engineer for a documentary meant to teach EMS and first responders how to recognize and respond to human trafficking situations. I composed the background audio, as well as mixed the entire documentary.

Other Skills and Facts:

- Intermediate level of Japanese language proficiency (6 years).
- Ex-Division 3 lacrosse player: helped me learn a lot about teamwork and communication.