Tom Casavant

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EDUCATION

The Ohio State University — Columbus, OH
Bachelor of Computer Science and Engineering — *August 2017 - May 2021*

EXPERIENCE

Software Developer I — Columbus, OH
TRC — *May 2021 - PRESENT*

- Develop QGIS and SPIDACalc plugins to aid in the auditing of utility poles around the United States, as well as creating smaller scripts to handle a variety of repetitive tasks throughout the company.

Software Developer — Columbus, OH
Funk Music Hall Of Fame — *January 2021 - May 2021*

- I worked on an engineering team to design a web app for the Funk Music Hall of Fame

CCDS Decontamination Technician — Houston, TX
Battelle — *June 2020 - August 2020*

- In-between semesters, I made myself essential over the course of the pandemic. During my time with Battelle, I worked with their CCDS operation in Houston. I took on the position of Safety Lead for the latter part of my time at Battelle.

Classroom Operations Student Assistant — Columbus, OH
Ohio State University — *October 2019 - April 2021*

- I develop teamwork as our small team of student employees help guarantee club spaces around campus are organized and I work with clubs to ensure spaces are used properly.

Undergrad TA for CSE 1222 (C++ Programming course) — Columbus, OH
Ohio State University — *January 2019 - May 2019*

- I taught students basic concepts in C++ programming for CSE professor Dr. Naeem Shareef

Research Assistant (Website Manager) — Columbus, OH
Ohio State University - Dr. Leonard Brillson — *November 2018 - May 2019*

- I semi-regularly update Dr. Leonard Brillson's (ECE Professor) website which allows me to get experience working with the CSE server on campus.

PROJECTS

GPXtoHeatmap: A python script that takes in a GPX file and outputs a heatmap of the points in the GPX file. The heatmap is generated using the Google Maps API.   https://github.com/TomCasavant/GPXtoHeatmap

GiphyMaubot: A plugin for Maubot (a matrix chat bot) that allows users to search for gifs using the Giphy and Tenor API.   https://github.com/TomCasavant/GiphyMaubot

PollMaubot: A plugin for Maubot (a matrix chat bot) that allows users to create polls in a matrix chatroom.   https://github.com/TomCasavant/PollMaubot

SpotifyTrackComparion: A simple Java Swing application that allows you to compare the audio features of 2 songs using the Spotify API.   https://github.com/TomCasavant/SpotifyTrackComparison

Grouptivity: A 3-person group project for a Mobile App Development course, that makes it easy to find and plan activities with a group   https://github.com/TomCasavant/CSE5236

PROGRAMMING SKILLS

Advanced Skills: Python,Groovy

Intermediate Skills: Java,C++/C/C#,Ruby

Beginner Skills: Matlab