

Results oriented software developer with a knack for writing clean, tested, and maintainable code. Proficient in various modern programming languages and platforms, and constantly updating my skill set. Able to self manage while collaborating with a team.

Technical Skills

Python, JavaScript, SQL, Node.js, Rust, Bash, Git, Linux, HTML, CSS

Recurse Center

A self-directed, 12 week retreat for computer programmers

August 2019 – November 2019, Participant

Mnemonic Phrase Generator January 2020

- Developed a library that performs mathematical operations on elliptical curves
- Managed numbers transitioning between binary, base 10, and hexadecimal formats
- Used Tkinter to create an intuitive user interface
- Created a Pytest file to ensure all hashing functions worked correctly

Music Synthesizer December 2019

- Used NumPy to generate sound files
- Implemented parallel processing methods to play multiple sound files at once
- Designed a Tkinter interface that let users create their own songs
- Processed sound files using PyGame to continuously play user generated tones

Snake Game October 2019

- Designed a gui with PyGame that handles various program conditions
- Organized program components into independent class structures
- Created different program conditions that affected the difficulty of the game

Community

- Code mentor at the New York City Python Project Night meetup
- Organizer of a Brooklyn based Bitcoin meetup group
- Contributor to the Rust Language website

Past Work Experience

Underground Construction, Project Engineer

June 2017 – July 2019

- Managed multi-million dollar energy sector construction projects
- Wrote Microsoft Excel macros that improved project documentation methods
- Prepared monthly financial reports for multiple construction projects

Education

San Francisco State University, BS in Mechanical Engineering

December 2016