Josh Kean
Website | GitHub
Josh@JoshKean.com | 925-783-8908

Self taught developer with 2 years of experience writing code with Python and JavaScript.

Technical Skills
Python, JavaScript, Flask, NumPy, PyGame, Tkinter, React, Git, Linux

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 elliptic curves
- Managed numbers transitioning between binary, base 10, and hexadecimal formats
- Used Tkinter to create an intuitive user interface that used all of the programs functionality
- 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 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