PHOENIX PETTERSON

SOFTWARE ENGINEER | SEATTLE, WA

Contact Me

Phone: (360) 818-1350

Email: phoenix.petterson@gmail.com

Linkedin: linkedin.com/in/phoenixpetterson

Github: github.com/PhoenixMP

Portfolio: Phoenixpetterson.com

Skills

- JavaScript, Python
- HTML, CSS, React.js
- Node.js, Express.js, Flask
- PostgreSQL, SQL
- Git , Visual Studio Code
- RESTful APIs
- GitHub Pages, Render, Heroku
- Jest

- Problem-Solving
- Creativity
- Effective Communication
- Team Collaboration
- Time Management
- Attention to Detail
- Adaptability
- Leadership

Education

Springboard Software Engineering Career Track Certification
Issued Aug 2023
Credential ID 80608734
- Completed 800+ hours of software engineering curriculum
- Developed skills in front-end and back-end web development, databases, and data structures and algorithms
- Competent in HTML, CSS, JavaScript, DOM Manipulation, Event Driven Programming, Git/Terminal/Github, Unit Testing, AJAX, jQuery, Python, Flask, SQL and PostgresQL, Node and Express, ReactJS

Bachelor of Science in Mechanical Engineering
Graduated Dec 2017
Washington State University | *Pullman, WA*

Profile

Software engineer with a mechanical engineering background, driven by a passion for innovative, boundary-pushing projects. Equipped with expertise in solving complex problems through STEM and coding, as well as nurturing creativity and exemplifying effective communication.

Technical Projects

NoteWorthy
noteworthy-play.onrender.com
- Tech Stack: React, Express.js, Node.js, Custom API, PostgreSQL
- Description: Web-based desktop game inspired by Guitar Hero with a virtual piano.
- Features: Secure user login, score-saving, leaderboards.
- Custom API: Accesses a curated note database for 38 songs.

Melodic
melodic-play.onrender.com
- Tech Stack: HTML, CSS, JavaScript, Python, Flask, PostgreSQL, Spotify API
- Description: Desktop web application for jamming to Spotify tracks and creating melodies using the computer keyboard.
- Features: Secure user login, melody saving, track favoriting.
- Spotify Integration: Fetches and filters Spotify tracks through the Spotify API.

Work Experience

Mechanical Engineer   Jan. 2018 -- July 2022
Hargis Engineers Inc. | *Seattle, WA*
- Collaborated across multidisciplinary teams with architects, contractors, and other engineering disciplines to design and draft HVAC and plumbing systems for a diverse client base
- Performed HVAC load calculations for various building types
- Selected appropriate equipment to meet the needs of our client's cutting-edge spaces
- Drafted complex HVAC layouts using AutoCAD and Revit modeling software
- Curated and reviewed technical drawing packages

Volunteer Experience

Meetup Organizer   Sept. 2022 -- Present
Local Women's Group | *Greater Seattle Area*
- Founder and organizer of the Meetup group "Project Play" with 190+ members
- The mission is to grow and lead a local and diverse community of women who are seeking enriching experiences and to explore their creativity

Communications Officer   Oct. 2016 -- Dec. 2017
Engineers Without Borders | *Pullman, WA*
- Founded Engineers Without Borders WSU in Fall 2016
- Assisted in nationally certifying the chapter in Spring 2017
- Corresponded with an NGO in Panama to evaluate the technical problems in our adopted village
- Developed and coordinated events for children to participate in hands-on engineering demonstrations
- Helped to raise $10,000 in donations to support the WSU chapter