

# ALEX VASQUEZ

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## SUMMARY

Highly driven full stack developer with a bachelor's degree dedicated to building and optimizing user-focused websites and applications. Technically proficient and analytical problem solver with a judicious and creative approach to projects. Accomplished in developing utilitarian web applications using both Javascript and Python, resulting in a growing user base. An enthusiastic software engineer, and music producer with experience in a variety of areas, excited for any opportunity to contribute to the development of innovative designs that link my fields of passion.

## SKILLS

**Front End:** Javascript, HTML, CSS, Bootstrap, jQuery, AJAX, Jinja, Jasmine, React

**Back End:** Node.js, Express, Python, Flask, SQL, PostgreSQL, Object-Relational Mapping, Jest, Pytest, JSON

**Other:** Git, Bash, Restful APIs, Data Structures, Deployment, Heroku, GitHub, Unit Testing, Integration Testing, Office 365

## PROJECTS

### Crate Digger

Developed a web application with Python designed to give DJs, producers, and music lovers a way to discover new music through a recommendation algorithm that is informed by detailed parameters such as genre, key, tempo, danceability, loudness, and duration. The application allows users to create and organize playlists for their individual purposes.

**Technologies Used:** Flask, PostgreSQL, SQLAlchemy, Jinja, Bootstrap, HTML, CSS, Heroku

**Repository:** <https://github.com/Zanderfeldt/Crate-Digger> | | **Live Demo:** <https://crate-digger-app.herokuapp.com/>

### QReator

Developed a web application in JavaScript that provides users with a streamlined and easy-to-use interface for customizing, saving, downloading, and editing their own QR Codes. My purpose for this project was to create a tool to assist fellow creatives, small business owners, entrepreneurs, etc. with a straightforward way to kick start their personal branding and marketing for free.

**Technologies Used:** Node.js, React.js, Jest, PostgreSQL, HTML, CSS, Render

**Repository:** <https://github.com/Zanderfeldt/Qreator> | | **Live Demo:** <https://qreator-frontend.onrender.com/>

### Warbler

Built a clone of the popular social media platform Twitter, called Warbler. Designed to help people connect and share content with others.

**Technologies Used:** Python, Flask, PostgreSQL, SQLAlchemy, Jinja, Bootstrap

**Repository:** <https://github.com/Zanderfeldt/Twitter-Clone>

## EXPERIENCE

### Springboard — Software Engineer Trainee — Dec. 2023

- Developed, designed, and deployed full stack web applications in both JavaScript and Python:
- Became experienced in object-oriented programming, database management, interface design, and testing/debugging code
- Within months of completing portfolio projects, my web apps have been adopted by a growing number of users

### Veterinary Centers of America — Vet Technician — 2022 - Current

- Demonstrated attention to detail in accurately filling prescriptions and performing precise x-ray imaging
- Applied problem-solving skills to address various health-related challenges in patients
- Collaborated with a team of industry professionals to achieve common goals, and facilitated seamless correspondence with other clinics, showcasing effective teamwork, collaboration, and communication skills

### Private Tutoring — AP Tutor — 2018 - Current

- Helped students under my instructions to achieve AP exam scores of 4 or above in AP Calculus and Chemistry

## EDUCATION

**Springboard** — Certificate in Software Engineering — **Dec. 2023**

**Icon Collective** — Certificate in Audio Engineering & Music Production — **Oct. 2020**

**University of California - Santa Barbara** — Bachelor's in Environmental Science — **Dec. 2017**