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Portfolio: <https://jkwalth127.github.io/portfolio-page/>

I am looking for a job where I can apply my skills as a full-stack web developer. I began programming in 2019, using the internet as a resource to learn HTML, CSS, and eventually JavaScript. In 2021, this endeavor turned from a hobby into a passion as I became engrossed in a coding platform that was centered around algorithmic stock trading. I was eventually creating complete scripts that used third-party APIs to send signals to exchanges where my personal funds were used to buy and sell cryptocurrencies. Amazed by what I was able to accomplish and fascinated with the utility I was able to build, I enrolled in the full-stack coding bootcamp at the UC Berkeley Extension so that I could develop the skills necessary to begin a career in web development.

Most of my programming has been pursued in my free time. My full-time endeavors, going back to 2016, begin with enrolling full-time at the City College of San Francisco to pursue a degree in chemistry. In 2018, before transferring to UC Davis, I signed a six year contract to serve in the California Army National Guard as an aircraft structural mechanic. While training with the army, I learned the technical skills of repairing, fabricating, and installing a variety of critical aircraft components, as well as many personal skills that include a strong sense of teamwork and community, personal and professional discipline, an intense awareness of all that is capable with focus and determination, and an understanding of the importance of appreciating both the individual, and the greater whole that we are all a part of. I graduated second in my class at my Advanced Individual Training where I learned my skills as a mechanic, and I also spent a month as platoon sergeant where I was leading over 110 soldiers. I am grateful for the opportunity to have led and worked with all my peers, as I believe the confidence and experience built in being the point of contact for much of the day-to-day operations has been invaluable for building my character and sense of purpose.

I returned from training in 2019 to work with my aviation unit in Stockton California, where I still work today, and to finish my degree at UC Davis. With a slight disruption due to the COVID pandemic, I graduated from Davis with a B.S. in Biochemistry in the winter of 2022. I was on the dean's list the last quarter that I was able to take classes full time, and ended up graduating with a 3.3 gpa.

Technical Skills

Frontend: HTML5, CSS, Javascript, JQuery, Handlebars, Bootstrap, Tailwind

Backend: NodeJS, Express, MySQL, Sequelize

Projects

1) Custom stock chart indicator

Created April, 2021

Last updated July, 2021

<https://www.tradingview.com/script/4I7ZuI9z-GTI-B/>

Sole creator

- This is an indicator meant to assist investors in deciphering an asset's current trend and the momentum behind it.
- This indicator combines two of the most common indicators used in technical analysis, the standard RSI and the stochastic RSI, and relates the information in a very user-friendly manner. This means that the user can observe reliable metrics and have an easy time incorporating the information into their personal strategy.
- TradingView's coding platform and proprietary language, PineScript, was used to build this indicator

2) GitProductive

Created May 7th, 2022

Last updated May 13th, 2022

Repository: <https://github.com/jkwalsh127/git-productive>

Deployed link: <https://git-productive.herokuapp.com/>

I was one of a team of three, responsible for building the timer functions and connecting multiple pages to the back-end database and formatting the front-end display.

- This project was my first complete, full-stack web application. It was designed by programmers to offer a few useful features to anyone who works from a computer
- The main feature allows users to set a timer for how often they would like to take a break, at which point they would be alerted to step back from their work, and also provided with a few exercise ideas to use the time to get the blood flowing. As bootcamp students who were putting in 10+ hours a day at our computers, we felt like this was a really nice way to prevent bad habits from disrupting our effectiveness as programmers.
- The timer was then expanded to allow a user to log the time they spent working on a specific project. The user can also enter what they charge as an hourly rate, and this will be applied to the project they are working on so that they can easily visualize the value of the work they have completed. The app is also equipped with a page to save notes (or more specifically, code snippets) for later reference.
- This app is deployed with its own database along with authority checks so that users must sign-up for an account to have full access. Their information, along with all the data accrued on each project, is saved for later use.

3) *Security Breach Software, email verification*

Created April 11th, 2022

Last updated April 17th, 2022

- Note that the 3rd-party API subscription for this site is no longer valid *-*

Repository: <https://github.com/jvbridge/sbs-email-verification>

Deployed link: <https://jvbridge.github.io/sbs-email-verification/>

Project direction and code contributor, one from a team of four

- *This web app tells a user basic information about an email address, and also if it was ever involved in a data breach.*
- *This project provides an easy way in which users can get relevant info at the click of a button. The site uses third-party APIs to retrieve this data, which I was in-part responsible for writing the code for, as well as the general layout and design of the site.*
- *HTML, CSS, JavaScript, jQuery, SweetAlert.js, SitePoint.js, Bulma css framework, Abstract API, and HavelBeenPwned API were all used to build this project*

4) *Weather Dashboard*

Created April 7th, 2022

Last updated April 11th, 2022

Repository: <https://github.com/jkwalsh127/weather-dashboard>

Deployed link: <https://jkwalsh127.github.io/weather-dashboard/>

Sole creator

- *This app fetches current weather data as well as a 5 day forecast based on user inputs*
- *This project uses two third-party APIs to retrieve weather data and display it to the user in a relevant manner. The program will also save previous searches, presenting them as a list through which the user can easily use to send another data request*
- *HTML, CSS, JavaScript, jQuery, Moment.js, and OpenWeatherMap API were used to build this project*

Work Experience

*California National Guard
February 2018 - current
Stockton, California*

- *Graduated second in my class out of our Advanced Individual Training*
- *Received a coin from the Director of the Joint Task Force of Domestic Support for participating in the deployment to the state capital during the civil unrest during the summer of 2020*
- *Volunteered for full-time orders from July of 2020 to March of 2021 to assist my unit in daily operations, including our significant role in combating the devastating wildfires in the fall of 2020*

Education

*University of California, Davis
Located in Davis, California
Graduated March of 2022
B.S. in Biochemistry*