Tyler Walker *Software Engineer*

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EDUCATION

Devmountain | Lehi, UT (remote)   *Graduating May 2022*
- Web Dev Foundations
- Python Software Engineering Specialization

Community College of Aurora | Aurora, Co   *December 2019*
- Associates of General Studies

SKILLS

JavaScript | NodeJs | Express | PostgreSQL | Bcrypt | CSS | HTML | Github | Postman | SQL Tabs | Heroku
Python3 | Axios | Flask | Postman | Flask | Flask-SQLAlchemy | Jinja2

PROFESSIONAL EXPERIENCE

Devmountain | Lehi, UT (remote)   *January 2022 - May 2022*
Web Developer / Python Software Engineer (student)

Numbered Fun Throwables - [Github Repo](#) | [Demo](#)

HTML | JavaScript | Bcrypt | Express | Axios | PostgreSQL | CSS | Heroku
- Browser-based game of Liar's Dice using fundamental Web Dev tools to showcase full stack development.
- Utilized PostgreSQL and Bcrypt to store user progress and encrypted user data in relational database tables.
- Built game logic for users and computer played units to interact with each other through.

Mu Stash - [Github Repo](#) | [Demo](#)

HTML | CSS | Python3 | Jinja2 | Flask | Flask-SQLAlchemy | SQLite | WTForms | Flask_Bcrypt
- Flask web app for music collection written with the intention to showcase competency with Python centric stack.
- Heavily relational database stores user generated data both specific to their account and for global use.
- Dynamically generated pages via use of pagination and heavy use of Jinja2.

TheCoderSchool | Centennial, CO (in person and remote)   *April 2022 - Current*
Coding Coach
General
- Educated and assisted in the development of young coders, generally age 8 and up, in an individual or small group setting by creating personal projects appropriate in complexity and scope to their current abilities.
- Proficient in several coding tools/languages including Scratch, JavaScript, Python, HTML, CSS, Node.js, Flask, Replit, VS Code, Discord, general aptitude to learn on the fly, and pick up from where other coaches left off.
- Ability to explain complicated topics clearly and concisely in a fun and engaging manner to encourage passion from students.

Mio is Virtual - [Replit Cover Page](#) | [Demo](#) / Horror Hall - [Replit Cover Page](#) | [Demo](#)
Note: Created at theCoderSchool of Centennial with the assistance of students
HTML | CSS | JavaScript |
- Visual novel/choice dependent narrative games developed simultaneously.
- Project focused on scripting linear events in non-linear storylines, and letting students be creative.
- Basic file structuring, basic naming conventions, daisy chaining scene functions based on user choices.

Star Wars Galactica - [Replit Cover Page](#) | [Demo](#)
Note: Created at theCoderSchool of Centennial with the assistance of students
HTML | CSS | JavaScript |
- Space Invaders remake using Star Wars themed assets.
- Collision detection, enemy pathing, and unique attributes for enemy types built from scratch.
- Emphasis on seeing connections between HTML elements and how to manipulate using JavaScript.

Independent Work   *August 2022 - Current*
Independent
Rainbow Underground - [Github Repo](#) | Demo (coming soon)
HTML | CSS | JavaScript | Axios | Cors | Bcrypt | Express | PostgreSQL | Sequelize | DotEnv
- Mock-up Point Of Sale system with embedded tools across several roles expected within a regional restaurant chain.
- Densely relational database to be utilized for low level applications and high level analytics.
- Implementation of pagination, individual user settings, administrative controls, and experimental features.

ADDITIONAL EXPERIENCE

Lazy Dog | Aurora, CO   *June 2022 - Current*
Server
- Wait staff at a high volume lodge-chic chain with globally inspired culinary options.
- Customer service is self explanatory. I prioritized transparency and consistent communication when issues arose with customers or their orders, doing so typically led to more positive experience for all.
- Experience with Aloha POS.

Ball Aerospace | Westminster, CO   *June 2021 - August 2021*
Quality Inspector I
- Inspection of internal electronic components of military antennas using company approved methods to ensure functioning components when passed to higher level assemblies.

JR Butler | Englewood, CO   *March 2020 - April 2021*
QA/QC (Quality Control/Quality Assurance), Research & Development,
- Rigorous testing of structural sealant glazing and unitized curtain wall per ASTM testing methods to ensure consistency of seal integrity once in a field setting.
- Strategic timing and selection of units to test via coordination with various members of shop leadership to minimize work-flow interruptions in other processes.
- Safe and responsible use of hand and power tools.
- Inspection of materials before and after manufacturing processes to prevent defects from being sent.
- Implemented and sustained defect tracking to be utilized in combination with TrueLean 8-step problem solving to correct systemic issues within the manufacturing process.
- Tested new materials and product lines before they began manufacturing, including review and improvement suggestions to standardized work documents, and custom testing and design of sample materials/products in order to safely integrate new products and materials into manufacturing process with minimized concern of unexpected hiccups
- Training/supervision of college/high school interns.

Bad Daddy's Burger Bar | Aurora, CO   *March 2018 - October 2019, April 2021-June2021*
Server, Bartender, Host/Busser, Cook, Dishwasher
- Being cross trained to do almost every job in the restaurant let me jump in almost anywhere that needed an extra set of hands, being responsible for multiple jobs over the course of a single shift on occasion. Beyond giving my guests a great customer experience, my next top priority was assisting in removing bottlenecks in the workflow of my fellow servers.
- Experience with Micros POS.

Old Chicago | Aurora, CO   *September 2016 - February 2018*
Busser, Host
- Busser: Fast paced cleaning of tables. Washing and restocking bar glasses.
- Host: Responsible for accurate wait lists, maintaining server seating rotation, taking to-go orders, maintaining a register, and delegating duties to my fellow hosts.

References available upon request.