Sydney "Jess" Werbach
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FULL STACK SOFTWARE ENGINEER

Full stack developer and Flatiron School graduate. Studied German, Spanish, and Japanese at CU Boulder, graduating with a BA in Linguistics. I have a passion for language and problem solving, and software engineering is the perfect way to combine the two. If I'm not coding, I can be found training Muay Thai or playing a quick pick-up game of soccer.

TECHNICAL SKILLS

Technologies: JavaScript, Vue, Svelte, React, Ruby

TECHNICAL PROJECTS

Lin-guage - Github | Demo
An app that allows users to learn about and create languages.(Written in Svelte and Ruby on Rails)
- Wrote two custom algorithms. One for ordering language pairs by similarity, the other for generating unique linguistically viable languages
- Researched and built custom database with detailed information and traits on ten languages, used for presenting information to the user and within the algorithms
- Developed data structures and functions that allow custom generated words to be maintained in multiple alphabets and pages of the app
- Utilized complex class relationships that allowed for language comparison and generation algorithms to work

Something Witcher This Way Comes - Github | Demo
A "Witcher" inspired game where users choose a character to play as, what monster to fight, and what preparations to make, before entering a turn based fight. (Written in JavaScript and Ruby on Rails)
- Created logic system for dodging and damage dealing during fighting segment for added challenge in the game
- Built as a single page app, with cut-scene transitions and music for improved user experience
- Designed a visually pleasing and user friendly page layout to allow for easy and enjoyable gameplay

Don't Drink The Punch - Github | Demo
A card flipping game where the player accumulates as many points as possible before drawing a "losing" card. (Written in JavaScript and Ruby on Rails)
- Led team consisting of three less experienced students to create a project in under a day
- Collaborated with group mates to create the game's rules and premise
- Adapted front-end of app to suit the back end structure and data developed by group mates

Game Source - Github | Demo
A full CRUD app that allows users to learn about and document games (Written in JavaScript and Ruby on Rails)
- Pair programmed entire app with a partner, allowing for effective and efficient design
- Optimized user experience by incorporating "new", "update" and "delete" functionalities for games in the database
- Streamlined website by creating class relationship for game category, so that games are sorted with similar games

EXPERIENCE

Broadway Animal Hospital, Kennel Technician/Veterinary Assistant, Boulder,CO   08/2015 - Present
- Assisted veterinary technicians and 3 veterinarians in the emergency, post-op, and health care of a broad range of domesticated animals, from pet rats to Great Danes.
- Interacted with clients with excellent interpersonal skills and problem solving to ensure efficiency and safety for all staff and animals
- Learned new software and trained 8+ staff cross-departmentally to ensure sensitive and critical animal information was communicated between relevant personnel, ensuring animal safety and well-being.
- Provided basic needs, including food, medical care, and enrichment for 100 dogs a day in the boarding facility.

EDUCATION

Flatiron School   Denver, CO
Full Stack Web Development, Ruby on Rails and JavaScript program   10/2019 - 01/2020

University of Colorado Boulder   Boulder, CO
Bachelor of Arts (BA) in Linguistics   05/2014 - 08/2019