SYDNEY "JESS" WERBACH

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SUMMARY

Full stack developer out of Flatiron School. 2019 graduate from the University of Colorado Boulder, with a major in linguistics. I have a passion for language and problem solving, and software engineering has been the perfect medium to combine the two. If I'm not coding, I can be found training at my Muay Thai gym or playing a quick pick-up game of soccer.

SKILLS

TECHNICAL SKILLS: JavaScript, Svelte, Ruby, Ruby on Rails, React

PROJECTS

Lin-guage
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 a 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 for 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

Don't Drink The Punch
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)

- Lead 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

Something Witcher This Way Comes
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 a logic system for dodging and damage dealing during the 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

Game Source
A full CRUD (Create, Read, Update, Delete) 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

EDUCATION

Immersive Full-Stack Software Engineering · Jan. 2019
Flatiron School
15 week immersive full-stack software engineering program specializing in Ruby, Ruby on Rails, JavaScript, and React

Bachelor of Arts in Linguistics · Aug. 2019
University of Colorado Boulder
Special emphasis given to foreign languages and semantics

EMPLOYMENT

Broadway Animal Hospital
Kennel Technician/ Veterinary Assistant
- Applied interpersonal skills and problem solving to ensure efficiency and safety for all staff and animals in a highly populated animal hospital and kennel
- Incorporated software cross-departmentally to ensure all necessary information was effectively flowing between relevant personnel.