ELLIOT WILSON

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SKILLS   React, Redux, Ruby, Ruby on Rails, Javascript, jQuery, SQL, MongoDB, Git, HTML5, CSS3, SCSS

PROJECTS

Wide World (Javascript, Ruby, Rails, React, Redux, PostgreSQL, jQuery, Google Maps API, HTML5, CSS3, SCSS)   **Live Site** |**Github**
A fullstack single-page clone of AtlasObscura featuring search, a random location button, and interactive maps
- Leveraged Google Maps API and Places Autocomplete to geocode user input, allowing application to generate unique maps
- Minimized AJAX calls by bundling related data using Rail's ActiveRecord associations, while also avoiding N+1 queries through eager loading
- Designed elegant, normalized application state designed using Redux, making the application scalable, legible, and efficient
- Incorporated AWS S3 web storage to host article and user photos, improving load-time

Poly-Glot (Javascript, HTML5, CSS3)   **Live Site** | **Github**
A Vanilla JavaScript web app that generates playable Spelling Bee-*style word puzzles*
- Developed custom algorithm that quickly generates word puzzles inspired by the New York Time's *Spelling Bee* game
- Optimized performance by pre-processing dictionary to remove unplayable words, which reduced file size by 20% and improved load-time
- Engineered dynamic, refreshable game-board using DOM manipulation and event listeners

Beat Match (Javascript, MongoDB, Express.js, React, Redux, Node.js, Axios, Spotify Web API, HTML5, CSS3, SCSS) **Live Site** | **Github**
A fullstack web app that recommends Spotify playlists based on user responses to witty questions, with a social dimension
- Constructed a non-relational database with MongoDB that allowed the application to quickly access nested information (e.g. playlists and their songs) with Axios calls
- Embedded Spotify playlists in React components, allowing customized media playback for users
- Improved user experience by combining CSS transitions, modals, and infinite scrolling to create a modern, sleek design
- Streamlined collaboration on team of 4 using GitHub's version-control system, allowing simultaneous work on individual branches
- Implemented custom React user search with intuitive design that converts searchbar input into a Regular Expression, allowing for partial matches

EXPERIENCE

Princeton University, *Graduate Research Assistant* Princeton, NJ   2017-2021
- Organized international virtual conference on 'Specialized Labor in Classical Antiquity' featuring 18 papers and 150+ attendees
- Designed lesson plans and taught small-group precepts (~12 students each) in courses on ancient history and politics
- Received 2021 Graduate School Teaching Award, alongside research grants and fellowships from the Seeger Center for Hellenic Studies and Princeton's Program in the Ancient World

Mercer Digital, *Workday Payroll Implementation Consultant* Dallas, TX   2015-2017
- Managed payroll functional area of Workday software implementation for 6 companies in industries including financial services, telecommunications, and healthcare. Developed timelines and workflows to keep projects on track for 8 to 16 months
- Configured client's payroll system within Workday, including building out logic for pay items, designing custom reports, and handling cross-functional data-flows (e.g. timesheets to payroll, benefit changes to payroll, etc.)
- Led weekly status calls and conducted multi-day on-site planning/training meetings with client-side HR/payroll teams
- Developed unit tests, end-to-end tests, and 'parallel' tests to ensure that the new system replicated or outperformed legacy output
- Built macros in Excel to streamline data-conversion for migrations and performance testing, reducing time and effort by >50%

EDUCATION

App Academy   New York, NY   2021
- Full-stack software engineering bootcamp. Intensive 1000+ hour course with <3% acceptance rate.

Princeton University   Princeton, NJ   2017-2021
- MA in Classics. GPA 3.95.

Harvard University   Cambridge, MA   2011-2015
- BA in Classics, *summa cum laude*. GPA 3.94. Phi Beta Kappa. John Harvard Scholar. Hoopes Thesis Prize. Smyth Thesis Prize.