

# ELLIOT WILSON

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[Portfolio](#)

**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.