

Melanie Mohn

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technical skills

Proficient: JavaScript, Node.js, Express, Sequelize, React, Redux, Git, HTML, CSS, jQuery, SQL, PostgreSQL

Knowledgeable: Java, Cucumber, Selenium, Babel, Bootstrap, Victory, Webpack, WebSockets

Some experience: Firebase, OrientDB, Maven, Heroku, Jasmine, Mocha, Chai

technical projects

Align, *Software Engineer*, <https://align.fun> July 2017

A dynamic, mobile-responsive web application for documenting long-term personal goals and milestones

- Designed and implemented key features including journal entries, media uploads, and an inspiration board for relevant resources, as well as a dashboard with interactive graphs to track progress
- Built front-end components using React, Material UI, and Victory for data visualization

Times Two, *Sole Developer*, <https://github.com/melaniemohn/times-two> June 2017

A Chrome extension that enables multi-player collaboration on New York Times online crossword puzzles

- Built using jQuery, Socket.io, and Node.js

experience

J.P. Morgan & Chase, *Software Engineer* October 2017 - present

- Implement a unified test automation framework for all of Chase Digital, with a focus on creating tools for standardization across different Chase products, including an API, web portal, and command-line utilities for updating legacy tests and validating test data
- Lead effort to design domain language for testing business-specific functionality, allowing the migration of 1000+ legacy Cucumber step definitions to a revised list of 200 covering the most frequent user behaviors
- Design and develop a user interface for diagnosing and triaging test failures, including dynamically generated reports on test execution metrics and relevant documentation
- Train developers and QA managers across six scrum teams to use the automation framework, to delegate ownership of test creation and maintenance to the relevant teams and encourage test-driven development

Princeton University, Department of English, *Assistant in Instruction* February 2013 - May 2016

- Incorporated "digital humanities" techniques in class discussions and assignments in order to interpret texts using insights from technology, including data visualization and natural language processing
- Planned lessons and led discussion for small classes, and delivered lectures for classes of 70+ students

The Spenser Project, Humanities Digital Workshop at Washington University

Research Assistant and Developer

June 2008 - May 2010

- Researched and edited an updated edition of Spenser's *Collected Works* with a robust digital component
- Contributed to MySQL database containing information about a corpus of 1,500+ rare books, including tens of thousands of textual variations between different editions
- Coded markup in TEI (a variant of XML) to reflect textual features, physical appearance and condition of different books, and other structured and searchable metadata

education

The Grace Hopper Program, Software Engineering Immersive, April 2017 - July 2017

Highly selective coding bootcamp for women (8% acceptance rate) affiliated with Fullstack Academy

Princeton University,

M.A., English Literature, 2013

Washington University in St. Louis,

B.A., English Literature, *summa cum laude*, 2010