Melanie Mohn

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technical skills

Proficient: JavaScript, Node.js, Express, Sequelize, React, Redux, Socket.io, Git, HTML, CSS, jQuery
Knowledgeable: Babel, Webpack, Bluebird, Bootstrap, Victory, PostgreSQL, SQL
Some experience: Firebase, Heroku, Jasmine, Mocha, Chai, WebSockets

technical projects

Align, *Software Engineer*, https://align.fun   June 2017 - 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

Bits & Bytes, *Software Engineer and Project Manager*, https://bits-and-bytes.herokuapp.com/   June 2017
   A sample e-commerce site selling code-related snacks
   • Built with React, Redux, Sequelize, PostgreSQL, and Express
   • Designed database models and seed file; implemented order details, order history, and shopping cart

experience

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, conducted precept discussions, and assigned grades for classes of 10 to 12 students
   • Designed and delivered hour-long lectures for classes of 70+ students

Princeton University, Task Force on General Education
   University Administrative Fellow   October 2015 - August 2016
   • Led subcommittee to study the evolution of general education requirements at Princeton
   • Collaborated with a team of faculty members and administrators to evaluate undergraduate curriculum
   • Presided over panel discussions to require computer science courses for B.A. as well as B.S.E. students

The Spenser Project, Humanities Digital Workshop @ Washington University
   Research Assistant   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
   Highly selective coding bootcamp for women (8% acceptance rate) affiliated with Fullstack Academy
   Software Engineering Immersive, April 2017 - July 2017

Princeton University
   Ph.D., English Literature, forthcoming (late Fall 2017)
   M.A.,   English Literature, January 2013

Washington University in St. Louis
   B.A.,   English Literature, *summa cum laude* (4.0), 2010