Claire Boals

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EDUCATION

- **Tufts University**   Medford, MA
  Bachelor of Science in Computer Science   *Sept. 2015 – May 2020*

- **Relevant Coursework**
  Data Structures, Algorithms, Web Programming, Computation Theory, Object-Oriented GUI, Machine Structure/Assembly

PROJECTS

- **Interactive MBTA Train Lines Map**   Personal Project
  Full Stack Engineer   *June 2021*
    - **Technologies Used:** JavaScript, HTML, CSS, Google Maps API, MBTA API
    - Designed and implemented responsive web app to display MBTA lines, stops, and updated train information.

- **Spotify Lyrics Search**   Course: Web Programming
  Full Stack Engineer   *April 2019*
    - **Technologies Used:** JavaScript, Express.js, jQuery, Bootstrap, MusixMatch API, Spotify API, Heroku
    - Led small team to create, design, and implement lyrics search engine web application.
    - Analyzed front-end wireframes for technical feasibility and implemented responsive design.

- **Bisexual Resource Center Locator**   Organization: Tufts JumboCode
  Front-End Developer   *Jan. 2019 - April 2019*
    - **Technologies Used:** JavaScript, React, Express.js, HTML, CSS, Google Maps API, Heroku
    - Collaborated on Agile cross-functional teams to create web app that locates the nearest BRC and events.
    - Implemented map search functionality and front-end design for home page and search bar.

- **Image Compressor and Decompressor**   Course: Machine Structure/Assembly Language
  Software Engineer   *Oct. 2018*
    - **Technologies Used:** C
    - Architected and integrated modules in a pair-programming setting to implement lossy image compression algorithm.
    - Ensured smooth module integration with rigorous automated and unit-testing strategies and composed thorough documentation of program architecture and design.

WORK EXPERIENCE

- **Freelance Web Designer and Consultant**
  Self-Employed   *Dec. 2020 - June 2021*
    - Analyzed client needs to design and create websites with Shopify and WordPress. Identified and instituted back-end tools to assist and track growth. Effectively communicated all stages of development with clients. Provided support and educational demonstrations to assist clients in maintaining websites post-contract.

- **Digital Design Studio Assistant**
  Tisch Library Digital Design Studio   *Sept. 2018 - May 2020*
    - Researched and resolved patrons' challenges with media editing and lab hardware. Diagnosed and solved issues on lab computers related to software and network configurations. Provided support on wide range of hardware including Mac computers, cameras, microphones, scanners, and printers. Performed daily maintenance on lab hardware.

- **Technology Support Representative**
  Tufts Technology Services   *May 2017 - Aug. 2017*
    - Resolved inquiries related to Windows and Mac operating systems, software installations, student and faculty accounts, and network interruptions. Ensured proper installation and configuration of software for lab computers and performed routine updates. Composed thorough documentation of all inquiries with step-by-step solutions.

SKILLS

- **Languages**: Java, C, C++, JavaScript, HTML, CSS, Python, Ruby
- **Technologies**: Git, REST APIs, React, Node.js, Express.js, Bootstrap, Heroku, Netlify, Hugo, Shopify, WordPress