Paul Plew

Developer & Designer
Available Jan. — Jul. 2022

Boston, MA   github.com/paulplew
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Education

Northeastern University [GPA: 3.55 / 4.00]— *Boston, MA*   Jan. 2020 — Present
Khoury College of Computer Sciences   Expected Graduation Fall 2023
Candidate for a BS in Computer Science and Design — Dean's List

Activities*:*	Designer for Agape Christian Fellowship, Khoury College Peer Mentor, Choral Society, Chamber Singers
Coursework*:*	Web Development, Experience and Interaction Design, Object Oriented Design, Algorithms and Data Structures, Discrete Mathematics, Typography I & II, Calculus I, II & III, Human Computer Interaction

William S. Hart High School [GPA: 4.09 / 4.00] — *Los Angeles, CA*   Sept. 2015 — May. 2019
Activities: California Scholarship Federation, National Honor Society

Computer Knowledge

Languages: Java · JavaScript · HTML/CSS · LaTeX · Ruby · Bash · Typescript
Tools & Libraries: macOS · Linux · Unix Command Line · Git · GitHub · JUnit · p5.js · D3.js · jQuery · React
Applications*:*   Adobe InDesign · Adobe Photoshop · Adobe Illustrator · Figma · Vim

Projects

Twitter Web Clone — *JavaScript ES6 · HTML/CSS · React · jQuery · Bootstrap · MongoDB*   Sept. 2021 — Present
· Used React and vanilla JavaScript to build UI components that conform to the principles of Human
Computer Interaction
· Styled the application with unique mobile and desktop layouts using a combination of Bootstrap and custom CSS
· Accessed and updated the DOM using jQuery so functionality is identical on different browsers

Image Editor — *Java · JUnit · JavaDoc*   Jun. 2021 — Jul. 2021
· Developed an image editor using a the MVC design pattern for modularity
· Programmed using test driven development and maintained 100% test coverage using the JUnit testing framework
· Designed custom data representations for image data and transformation kernels
· Documented all methods and classes using proper JavaDoc comments

p5.js Maze — *JavaScript · p5.js · HTML/CSS · LaTeX*   Mar. 2021 — Apr. 2021
· Created a maze builder, maze creation visualizer, and maze solver using JavaScript and p5.js
· Created uniquely random mazes using depth first search on a binary tree of cells
· Documented the development process using LaTeX

Ejectall — *Bash*   Nov. 2020 — Dec. 2020
· Developed a command line utility that ejects all external drives with ease
· Explored command line utilities and built on top of pre-existing functionality to emphasize scalability and reliability

Work Experience

Graduate Teaching Assistant — *Boston, MA*   Sept. 2021 — Present
Northeastern University College of Arts Media and Design
· Facilitated weekly office hours instructing students one-on-one
· Assisted in developing students' understanding in a flipped classroom setting, helping students gain hands on
experience in JavaScript ES6, D3.js, and large data sets
· Planned and taught three lectures on JSON Data, Functional Map, Filter and Reduce, and Scalable Vector Graphics

Etsy E-commerce Shop Owner — *Los Angeles, CA*   Nov. 2013 — Feb. 2020
Modern Industry Lighting
· Designed, constructed, and wired modern chandeliers
· Managed $10,000+ of inventory and sold over $30,000 of merchandise to more than 120 customers in
North America and Europe
· Consulted and collaborated with customers to create custom lighting fixtures to their specifications

Interests

Typesetting · Poster Design · Mycology · Botany · Cooking · Piano · Bass Guitar · Jazz Music