MacKenzie Kerwin

Boston, Massachusetts
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Education

Northeastern University
Boston, MA
Khoury College of
Computer Sciences
September 2018 - Present

Candidate for a Bachelor of Science in
Computer Science and Design, *May 2022*
Honors: 3.89 / 4.00 GPA, Dean's List
Courses: Object-Oriented Design, Algorithms & Data,
Human Computer Interaction, Database Design, Logic &
Computation, Discrete Structures

Experience

Broad Institute
Cambridge, MA
January - August 2020

Software Engineer Co-op
Built React components to develop the user interface to an interactive
biomedical data repository with fine-grained access control
Wrote Redux sagas allowing users to manage, filter, and share data
Met weekly with the UX team to refine the vision for the user journey
and review implementations

Northeastern University
Boston, MA
September - December 2019

Husky Card Office Assistant
Learned and operated account-lookup and card-printing softwares to
troubleshoot issues with student and employee ID cards
Synthesized accurate, up-to-date information to answer questions
with supportive customer service

Projects

Google Doodle
D3.js / HTML / CSS
December 2019

Created an interactive calligraphy tutorial in the style of a
"Google Doodle" application for World Calligraphy Day
Made animations from SVG paths constructed in Adobe
Illustrator to give the impression of calligraphy brush strokes

Decision Matrix
D3.js / HTML / CSS
December 2019

Developed a single-page application to determine a single best
candidate through the use of a decision matrix
Used D3.js to construct a graph that visualizes each given
candidate's score breakdown

Animator
Java / Swing
June 2019

Applied the model-view-controller pattern to build a program
for creating simple animations
Executed the program as a .jar file using command-line
arguments to specify a view type (GUI, SVG, or text)

Skills & interests

Development
Java, JavaScript, Racket/Scheme, HTML, CSS, Common Lisp,
React/Redux, D3.js, IntelliJ IDEA, Eclipse, Visual Studio Code

Adobe
Photoshop, Illustrator, XD, InDesign

Interests
Graphic design, photography, embroidery, calligraphy,
breakfast foods, HGTV, learning Spanish