

Jaclyn Cohen

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EDUCATION

Brown University

Bachelor of Science in Computer Science, Bachelor of Arts in Visual Arts

Providence, RI

Aug. 2022 – May 2026

Relevant coursework: Intro to Software Engineering, UI/UX, Computer Graphics, Computer Vision, Hypertext/Hypermedia Systems, Computer Systems, Data Structures & Algorithms, Intro to Object-Oriented Programming

EXPERIENCE

Frontend Engineering Intern

Hexagon Manufacturing Intelligence

May 2024 – August 2024

Providence, RI (Remote)

- Developed a VSCode extension to analyze data on 60 @nexusui components, tracking usage trends and versions
- Created and managed **CosmosDB Azure** database and **RESTful API** back-end, storing data for over **50** teams
- Designed **11 versions** of UI/UX in **Figma** and implemented responsive front-end for NexusUI Analytics Dashboard in **TypeScript and React** that graphically analyzes data
- Automated data collection, reducing manual communication by 30%, improving efficiency for 100+ developers

Creative Design Director

Brown University Puzzle Club

January 2023 - August 2024

Providence, RI

- Coordinated **art, UI/UX design, and front-end development** in TypeScript and React for the Brown 2024 Puzzlehunt
- Streamlined creation of markdown pages for **20** puzzle writers, implemented main page and about page front-end design
- Created **20 illustrations, graphic designs, and sculptures** for Brown 2024 Puzzlehunt, seen by over **800** participants in over **230** teams

Research Assistant (Software Development and Design)

Brown Language and Thought Lab (-June 2024), Ian Gonsher's Lab

June 2023 – December 2024

Providence, RI

- Designed updated web interface for Printerform project
- Developed **three JavaScript and HTML based web applications** for research in Modal Perception
- Refactored and optimized existing code base resulting in a **40%** increase in efficiency
- Designed **12** posters, animated advertisements, and scientific figures to attract study participants, seen by over **3000** Facebook users that resulted in over **50** in person study sign ups

CSCI 0150 Undergraduate Teaching Assistant

Brown University Computer Science Department

May 2023 – December 2023

Providence, RI

- Held **6** hours weekly conceptual, debugging, and lab hours, teaching and reviewing introductory object-oriented programming concepts in **Java**
- Graded programming assignments and wrote detailed feedback for **450+** students
- Advised **10** underclassmen computer science students, on department courses and managing university level classwork

PROJECTS

Terrarium World | [GitHub](#) *JavaScript, HTML, CSS, React Three Fiber, Three.js*

November 2023 - December 2024

- 3D Graphics Application displaying a terrarium world.
- Implemented a weather system, day to night time slider, and animals sculpted and animated in Blender.

Posters@Brown | [GitHub](#) *TypeScript, Java, HTML, CSS, React, MongoDB, Spring Boot*

November 2023 - August 2024

- **Full-stack** application centralizing event posting for activities and organizations for over **8,000** students at Brown
- Implemented responsive React and Typescript based front-end with **Google Cloud Vision API** to parse text from uploaded posters and **Google OAuth 2.0** to authenticate Brown and RISD students
- Created **UI/UX design** in **Figma**

Bathrooms@Brown | [GitHub](#) *TypeScript, Java, HTML, CSS, React, Spring Boot, MongoDB*

February 2024

- Winner of the **Major League Hacking Award for best DEI Hack** at the **Brown 2024 Hackathon**
- Implemented interactive 3D **MapBox** allowing users to filter gender, family, and wheelchair-accessible bathrooms based on their geolocation
- Integrated React front-end with Spring Boot back-end, fetching data from MongoDB database

TECHNICAL SKILLS

Languages: Java, JavaScript, TypeScript, Python, C++, HTML, CSS, LaTeX / TeX

Frameworks and Tools: React, Node.js, Tailwind, MongoDB, Azure CosmosDB, Chakra UI, Material UI, Three.js, WebGL, GLSL, VSCode, IntelliJ, GitHub/Git, Mapbox

Software: Figma, Adobe Suite, Procreate, Blender, Microsoft Office Suite, Google Suite, Laser cutter