

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 Animation, Computer Vision, Hypertext/Hypermedia Systems

EXPERIENCE

Software Engineering Intern

Hexagon Manufacturing Intelligence

May 2024 – August 2024

Providence, RI (Remote)

- Scripted a VSCode extension that collects data on **60** @nexusui components total quantity across projects, change over time, and package 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
- improved efficiency for **over a hundred** designers and developers, by automating manual communication and data collection

Creative Director, Co-Technical Director

Brown University Puzzle Club

January 2023 - Present

Providence, RI

- Coordinated **art, UI/UX design, and front end development** in TypeScript and React for the Brown 2024 Puzzle hunt
- 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 University Language and Thought Lab

June 2023 – June 2024

Providence, RI

- Developed **three JavaScript and HTML based web applications** for research in Modal Perception
- Refactored and optimized existing code base to improve readability, 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
- Designed updated web interface for Brown University Language and Thought Lab site

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

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

November 2023 - Present

- **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

Dreamweaver | [GitHub](#) *TypeScript, HTML, CSS, React, MongoDB*

November 2023 - December 2023

- Hypermedia web application that allows users to document sleep habits and record dreams daily
- Implemented **OpenAI's Whisper ASR** to transcribe audio to text, **Google's Cloud Speech API** to parse audio into timestamps per word
- responsible for designing UI/UX and parsing user data into visual statistics

TECHNICAL SKILLS

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

Frameworks and Tools: React, Node.js, Tailwind, MongoDB, Azure CosmosDB, Chakra UI, Material UI, MapBox, Maven, VSCode, IntelliJ, GitHub/Git

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