Jaclyn Cohen

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EDUCATION

Brown University — Providence, RI
Bachelor of Science in Computer Science, Bachelor of Arts in Visual Arts — *Aug. 2022 – May 2026*

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

EXPERIENCE

Software Engineering Intern — May 2024 – August 2024
Hexagon Manufacturing Intelligence — *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 Design Director — January 2023 - August 2024
Brown University Puzzle Club — *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) — June 2023 – June 2024
Brown University Language and Thought Lab — *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 — May 2023 – December 2023
Brown University Computer Science Department — *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
- Designed UI/UX and parsed user data into visual statistics

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, MapBox, Maven, VSCode, IntelliJ, GitHub/Git
Software: Figma, Adobe Suite, Procreate, Microsoft Office Suite, Google Suite, Laser cutter