Noah Rousell

noah rousell@brown.edu • noahrousell.com • github.com/nwrousell

EDUCATION

Brown University | Providence, RI

May 2026

Concurrent ScM. in Computer Science, ScB. in Computer Science GPA: 4.0/4.0

CS Courses: Intro Systems, DSA, Graduate Deep Learning, Intro Statistics, Computer Vision, Fairness in ML, Data Science, Networks, Databases, Graduate Operating Systems, Graduate Systems Security, Advanced Topics in Deep Learning Other Courses: Making Decisions, Social Psychology, Topics in Cognition, Introduction to Economics, Microeconomics,

Electricity & Magnetism, Macroeconomics

EXPERIENCE

Netflix | **Software Engineer Intern**

June 2025 - August 2025

• Worked with Device Automation Bus to automate suites of device tests and built an agentic TV UI navigation system to navigate and validate arbitrary TV UIs

Artificial Teaching Assistant | Full-Stack Engineer

Feb 2024 - Present

- Building a course-integrated LLM-powered person TA that provides great pedagogy to students and simple observability and peace of mind to professors
- Supported by over \$65k in funding from the B* fellowship, the Hazeltine Grant, and OpenAI
- Deployed to ~400 students in Fall '24, ~600 students in Spring '25; set to deploy to ~1000 students across four classes in Fall '25.

Palm Lab | Research Assistant

August 2024 - Present

• UTRA Grant recipient for Fall 2024. Researching how to distill priors in vision-language models into reinforcement learning policies to create a generally skilled agent. Working under Prof. Chen Sun

Brown University | Teaching Assistant

January 2024 - December 2024

- Fall 2024: Computer Vision office hours, course development, grading
- Spring 2024: Intro to Systems office hours, course/exam development, weekly section of ~20 students, grading

Noah Rousell Web Development | Freelance Web Developer

April 2020 - June 2022

• Designed and developed 4 custom websites for local businesses using React, HTML, and CSS, generating **1200**+ leads and counting for clients through SEO and branding

PROJECTS

Systems Projects | Golang

- Full virtual IP and TCP networking stack for a reliable byte stream between arbitrary hosts
- ACID-compliant and thread-safe Relational Database Management System (RDBMS)
- SSH client and server built from the ground up to the specification defined by the RFCs

Sample-Efficient Multimodal Atari Play | Python, TensorFlow, Slurm

May 2023

• Re-implemented SOTA sample-efficient Atari model and extended sensory space to include audio. Achieved 60% of human performance with 25 minutes of environment interaction, ~24x faster than vanilla DQN.

Web Projects | TypeScript, Python, React, Google Cloud, HTML, CSS, TailwindCSS, ChakraUI

- Visual Full-featured time-blocking web app built with React, Tailwind, Firebase
- Google Meet Self-Hider chrome extension with 2000 users before feature was added to Google Meet

TECHNICAL SKILLS

Languages: Python, TypeScript, Golang, HTML, CSS, C, C++