

ALEX DING

Website: alexding.me | **Email:** alexander_ding@brown.edu | **Github:** alexander-ding | **LinkedIn:** alexander-j-ding

Education

Brown University

September 2020 - May 2024

Concurrent B.S. and M.S. in Computer Science | GPA: 4.00

Head Teaching Assistant for CSCI 1951A: Data Science

Work Experience

Jane Street Capital

May 2023 - August 2023

Software Engineering Intern | Monaco, Networking; Kazoo, Core Services

Worked on network admin tooling and distributed pub-sub service in **OCaml**.

Google

September 2022 - December 2022

Software Engineering Intern | GCloud GCP, Anthos Storage

Released **Kubernetes** Container Storage Interface Proxy v2 and driver migration in **Go**.

Bloomberg LP

June 2022 - August 2022

Software Engineering Intern | Data Science Runtime

Developed **Kubernetes**-native toolings to integrate **Argo** workflows for ML Ops in **Go** and supported cluster migration to **Helm** charts.

Full Stack at Brown

June 2021 - May 2023

Projects Director

Coordinated project teams and managed Hours, Brown CS's TA hours queue management platform built in **Go** and **TypeScript**, and The Critical Review, Brown's course review website.

Projects

Complete projects available on my [website](#)¹

Bridge

RFC-compliant IP, TCP, HTTP implementation forming a virtual network via UDP sockets, interoperable with the real internet, written in **Rust**.

Surrealist Cloths

Ray tracer implementing the Phong illumination model, texture mapping, and path tracing for support glass and metallic surfaces in **C++**.

SAT Solver

Solver for the NP-complete boolean satisfiability problem using watched literals, conflict driven clause learning, custom variable decision heuristics, and random restarts, built in **Julia**.

Skills

Languages: Go, Python, C++, C, Rust, Java, TypeScript, JavaScript, Julia, OCaml, Bash.

Technologies: SQL, Docker, Linux, React, Kubernetes, GraphQL, GCP, Git, Jira.

¹ I also did a lot of work on deep learning research and full stack development, which you can read more about on my website.