

# Tianren Dong

[tianrendong.dtr@gmail.com](mailto:tianrendong.dtr@gmail.com) | [tianrendong.com](http://tianrendong.com) | LinkedIn: [/in/tianrendong](https://in.linkedin.com/in/tianrendong)

## EDUCATION

---

**Brown University** | B.Sc. & M.Sc. Computer Science, 4.0 GPA Sep 2020 - May 2024

- Systems Courses: Microservices, Operating Systems, Multiprocessor Synchronization, Compilers, Computer Networks, Distributed Systems, Privacy Conscious Systems, Computer Systems.
- Other CS Courses: Algorithms, Programming Languages, Deep Learning, Software Engineering, Data Science, Computer Graphics, Blockchains and Cryptocurrencies.

## EXPERIENCES

---

**Palantir | Privacy & Civil Liberties | Software Engineer Intern** New York, NY | Jun 2023 - Aug 2023

- Redesigned database indexing strategy of a data governance product to support more flexible data modification patterns; restructured 5 UI layouts to improve usability.
- Streamlined the permission model for a data retention framework, facilitating smoother data governance operations.
- Analyzed the impact of EU AI Act and Data Act and identified technical gaps in the data processing service landscape.
- Developed features end-to-end, iterated based on internal customer feedback, conducted comprehensive testing, and brought features to production.

**Transcend | Software Engineer Intern** Remote | May 2022 – May 2023

- Built and improved 10+ integrations with popular SaaS vendors, such as Slack and Zendesk, automating the processing of data subject requests, helping client companies efficiently and securely comply with privacy regulations.
- Created 2 plugins to Google Cloud and Workspace that helped customers patch compliance holes by surfacing 300+ data silos.
- Led customer conversations to understand needs; built tailored solutions that helped customers achieve cross-API data flow.

**Full Stack at Brown | Projects Director & Engineer** Providence, RI | Sep 2021 – Present

- Led feature development and maintenance for Hours, an office hour management system with 1000+ monthly active users.
- Modernized the tech stack for [Critical Review](#), Brown University's course review site used by 10k+ students, making feature development and maintenance easier.
- Organized annual bootcamp to introduce full-stack engineering to 80+ student developers.

**Brown CS Department | Undergraduate Teaching Assistant** Providence, RI | Dec 2021 – Present

- Mentored 30+ students, developed course materials, graded assignments, and held weekly office hours for 3 CS courses.

## PROJECTS

---

**Here | Lab section management application** Providence, RI | Sep 2022– Present

- Launched Here, a lab section management application used by 200+ students and teaching staff daily.
- Coordinated bug bash sessions and implemented changes based on user feedback, ensuring robust functionality.
- Standardized development workflow; set up automated deployment pipelines for efficient collaboration and software updates.
- Redesigning the authentication flow and permission management system for seamless user login and secure resource access.

**PA | Grading server container service** Providence, RI | Jan 2023 – Present

- Building a service that enables scalable, containerized assignment autograding for a grading system used in CS courses at Brown and Harvard University.
- Developing under a legacy PHP code framework, Linux and NGINX environment; iterating on end user feedback.

## SKILLS

---

**Programming Languages:** TypeScript, Java, Golang, Python, C/C++, HTML/CSS.

**Frameworks and Tools:** React/Next.js, Docker, gRPC, Protocol Buffers, MongoDB, Firebase, SQL.