

Luna Tian

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EDUCATION

University of California, Berkeley

Bachelor's Degree, Computer Science

Aug. 2022

GPA: 3.76/4.0

SKILLS

Languages: Python, Java, C, Go, SQL, JSON, HTML, CSS, Javascript

Frameworks & Libraries: Django, SpringBoot, React, Bootstrap, MyBatis, Pandas, JUnit

Tools: Git, AWS, Postman, Docker, MySQL, DBeaver, Redis

EXPERIENCE

Founder & Full-stack Engineer

Jul. 2025 – Current

Spotal

San Ramon, CA

- Designed and developed the initial backend architecture and user registration flow for an MVP platform that enables photographers to share and discover geotagged shooting spots.
- Built backend infrastructure with **Django REST Framework** and **PostgreSQL** with JWT-based authorization.
- Defined product roadmap using **Notion**.

Tech Lead (prev. Software Engineer Intern)

Jan. 2024 – Jun. 2025

Foundation for a Human Internet (humanID)

Cambridge, MA

- Led a team of 6 engineers to build a secure, privacy-first authentication infrastructure at a nonprofit advocating for a more human internet.
- Led infrastructure operations across 5+ **AWS EC2** instances and **Docker** containers. Leveraged **DBeaver** and **SQL** to identify and correct hundreds of inconsistent records in **Amazon RDS**, significantly improving data quality and operational confidence.
- Redesigned a **Stripe-integrated** billing system by shifting from a cron-based asynchronous model to a real-time sync architecture, enabling automated balance deduction and top-up. Reduced average peak-hour DB read latency by ~60%, based on AWS volume monitoring..
- Spearheaded the integration of the Discord Verification Bot with a Django-based user system via **RESTful** API and **Discord API**, resulting in **86%** increase in new user registrations and a **53%** increase in weekly logins over two months, based on internal usage metrics.
- Integrated Discord API to build a verification Discord Bot with OTP login, role-based access control, and real-time webhook notifications, managing over 10k+ community users.

Independent Developer

Mar. 2023 – Dec. 2023

Self-Directed Projects

- Designed and developed a microblogging platform MVP using SpringBoot and React, implementing user authentication, post creation, and interaction features.
- Deployed a backend application to AWS EC2 with Amazon RDS, optimizing cloud infrastructure and database configuration for production use.

PROJECTS

Spotal | *Sole Developer*

2025

- Location-based photography app backend supporting user uploads, tagging, and collection features.
Notion: <https://tinyurl.com/4nezkr38> | Github: <https://github.com/Lunasocute/spotal-backend>

humanID Developer Console | *Lead Developer*

2024-2025

- Credential & billing management website for humanID clients to manage accounts.
Demo: <https://tinyurl.com/3vvjr6eu> | Website: <https://developers.human-id.org/home/>

humanID Verification Bot | *Lead Developer*

2024-2025

- Github: <https://github.com/human-internet/discord-bot>

NumC | *Lead Developer*

2021

- A C-Language library that mirrors NumPy's matrix functionalities utilizing the Python/C API and parallel programming achieving a significant speedup.