

# Qing Tian

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## EDUCATION

**University of California, Berkeley**

*Bachelor's Degree, Computer Science*

Aug. 2022

GPA: 3.8/4.0

## SKILLS

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

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

**Tools:** Git, Redis, AWS, Postman, Docker

## WORK EXPERIENCE

**Tech Lead**

*humanID*

May 2024 – Current

*Cambridge, MA*

- Directed technical operations by accessing **AWS EC2** instances via SSH to retrieve and analyze error logs, ensuring code base updates and maintenance.
- Coordinated with development teams to ensure that code changes were effectively tested and deployed, enhancing overall system performance and stability.

**Software Engineer**

*humanID*

Jan. 2024 - Current

*Cambridge, MA*

- Automated integration workflow for our SDK by updating the submission form on the humanID clients' website. Utilized **Django**, **HTML**, **CSS**, **JavaScript**, and **Bootstrap** to enable form submission, eliminating sending email requests manually for users. This enhancement improved user convenience and reduced processing time.
- Led the development of an automated user registration feature for Discord Verification Bot using **Django** with **RESTful** API integration and **BeautifulSoup**. Implemented a Django views function for user account activation and initial setup, resulting in a **190%** increase in new user registrations and a **53%** increase in weekly logins over the past 2 months.
- Enhanced Discord Verification bot functionality using **discord.py** API, enabling automatic assignment of permissions and roles to boost the security and confidentiality of clients' Discord servers.
- Conducted rigorous testing of API endpoints with **Postman**, ensuring robust system reliability and performance.

**Software Engineer**

*Eth Tech*

Jun. - Dec. 2023

*Newark, CA*

- Developed the backend of a microblogging platform using **SpringBoot** and **RESTful** API, enabling user registration and post interactions.
- Established a relational database schema in **MySQL** using **Mybatis**.
- Deployed the application as an **AWS EC2** instance and utilized **Amazon RDS** for distributed cloud storage.

## PROJECTS

**IDEAS DAO** | *Python, Django*

Oct. – Dec. 2023

- Developed RESTful API endpoints for user registration, OTP generation, and password reset in a mobile app backend.

**Pintos** | *C*

Feb. – Apr. 2022

- Developed an educational operating system in C as part of a 4-person team supporting multithreading, loading and running user programs, and a file system.

**A Secure File Sharing System** | *Go*

Nov. – Dec. 2021

- Designed and developed a secure file-sharing system utilizing multiple encryption techniques such as HMAC and block cipher algorithm, ensuring the integrity and confidentiality of the files.

**NumC** | *C, Python*

Jul. – Aug. 2021

- Led the development of a C library that mirrors NumPy's matrix functionalities, utilizing the Python/C API and parallel programming achieving a significant speedup.

**GitLet** | *Java*

Feb. – Apr. 2021

- Designed a version-control system in Java, encompassing features like content commits, version rollback, directory reset, merge, and remote operations.