Qing Tian

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EDUCATION

University of California, Berkeley   Aug. 2022
Bachelor's Degree, Computer Science   *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, MySQL, DBeaver

WORK EXPERIENCE

Tech Lead   May 2024 – Current
humanID   *Cambridge, MA*
- Led the development of a **Django** API and two **webhooks** for Discord Verification Bot to manage cases when users get unverified or kicked from the server. Utilized the **discord.py** API and the **RESTful** API to ensure consistency between the database and users' status.
- Directed technical operations by accessing **AWS EC2** instances via SSH to retrieve and analyze **Docker** container logs. Utilized **DBeaver** and **MySQL** to connect to the **Amazon RDS** databases to resolve the data migration issue, optimizing system performance and stability.

Software Engineer   Jan. - May 2024
humanID   *Cambridge, MA*
- Spearheaded the development of an automated user registration feature for Discord Verification Bot using **Django** with **RESTful** API and **BeautifulSoup**. Implemented a Django API 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.
- Automated the integration workflow by updating the submission form for the humanID Developer Console in the **Django** framework, replacing the previous step of sending email requests manually. Utilize **Python**, **HTML**, **JavaScript**, and **Bootstrap**, adapting to the backend changes and enhancing user experience.
- Enabled automatic assignment of channels' permissions for Discord Verification Bot using **discord.py** API, enhancing the security and confidentiality of clients' Discord servers.

Software Engineer   Jun. - Dec. 2023
Eth Tech   *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**. Utilized **Redis** to implement user authorization, ensuring fast and efficient handling of authentication data and user sessions.
- 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 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.