

Xingzhi Qian

Email: felixqianxz@gmail.com — Telephone: (+44) 7999096821 — LinkedIn: xingzhi-qian
Github: Felixqxz — Portfolio: felixqxz.github.io — Address: 3 Merchant Square, London, United Kingdom

Education

- **Imperial College London** London, United Kingdom
MEng Computing (Artificial Intelligence and Machine Learning) September 2019 - June 2023
Relevant Courses: Software Engineering Design, Algorithm Design, Operating Systems, Databases, Machine Learning, Computer Vision, Natural Language Processing, Statistics, and Linear Algebra

Work Experience

- **Bafta Media Technology** London, United Kingdom
Software Engineering Intern May 2022 – September 2022
 - Built Bafta View TV app on Amazon FireTV Stick and deployed to Amazon store with Android Studio to support desired display effects
 - Improved accessibility across various video platforms and implemented extra functionalities on Bafta View Web app using React and JavaScript
 - Launched Bafta Nucleus and designed customized color themes to improve user experience
- **Shanghai Ximalaya Technology** Shanghai, China
Software Engineering in Test Intern May 2021 – August 2021
 - Designed and implemented a feature to automatically test APIs, which covered 80% cases, and deployed the feature to the existing data pipeline
 - Coordinated API testing using Charles and Postman, manual functional testing, smoke testing, regression testing and compatibility testing with different mobile devices
- **Changshu District Media Convergence Center** Changshu, China
Software Engineering Intern July 2020 – September 2020
 - Extracted article contents from newsletter website chronologically using Selenium & BeautifulSoup in Python to analyze popular trends on topics
 - Produced and formatted news to Official Accounts on WeChat, achieving over 1500 views weekly

Projects

- **EverBest Shop Web App**
Angular, Java, Spring Boot, MySQL, TypeScript June 2022 – August 2022
 - Built up an e-commerce website with keywords filtering, complete checkout forms and ensuring web security using JWT, OAuth2, helping customers easily select and purchase products
 - Developed a Spring Boot back-end using REST APIs and implemented processing credit card payments with Stripe API
- **Butterfly Annotator**
Vue.js, Python, Flask, SQLite, HTML/CSS September 2021 – December 2021
 - Led a team of 6 people to create GUI for annotating terms in butterfly descriptions to regions in butterfly images and deployed to Heroku
 - Managed to enable user manually select regions by drawing polygons on canvas at front-end, and promoted to set different authorizations (admin, viewer, editor) to users at back-end
 - Designed possible keywords generation function and improved text annotation efficiency by 65% in large butterfly datasets

Publications

- **Machine Learning on Cataracts Classification Using SqueezeNet** Massachusetts Institute of Technology
IEEE UV 2018 July 2018 – August 2018
 - Came up with the idea from volunteering in ophthalmology department
 - Generated and applied data augmentation to preprocess data for labeled datasets, and trained model with transfer learning using Keras and TensorFlow
 - Trained with SqueezeNet, a deep neural network with fewer parameters, on cataracts classification, achieving accuracy on test data at 96.1%

Skills

- **Languages:** Proficient in Java, Python, SQL, JavaScript, HTML/CSS; Familiar with TypeScript, C, Haskell
- **Frameworks:** React.js, Angular, Vue.js, Spring, Flask, TensorFlow, PyTorch
- **Software & Tools:** Git, Docker, CI/CD, Gradle, Maven, MySQL, Heroku, Atlassian (Jira, Confluence)