Xingzhi Qian

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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 over 5000 Bafta members with desired display effects
- Improved accessibility across various video platforms and implemented extra functionalities on Bafta View Web app using React.js 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 12 APIs, which covered 80% of 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

Publication

Machine Learning on Cataracts Classification Using SqueezeNet Massachusetts Institute of Technology
IEEE UV 2018.8642133 July 2018 – August 2018

- Analysed 420 sets of data to classify Cataracts, a serious eye disease, affecting over 20 million people worldwide
- Configured data augmentation to preprocess data and trained SqueezeNet with Transfer Learning, using TensorFlow
- Achieved accuracy on test data at 96.1%

Projects

EverBest Shop Web App
Angular, Java, Spring Boot, MySQL and TypeScript June 2022 – August 2022

- Built up an e-commerce website with keywords filtering, complete checkout forms and reliable web security, using JWT and SSL, to help customers easily select and purchase products
- Developed a Spring Boot back-end, using REST APIs, and implemented credit card payments with Stripe API

Butterfly Annotator
Vue.js, Python, Flask, SQLite and HTML/CSS September 2021 – December 2021

- Led a team of 6 people to create a Web App with GUI for annotating terms in butterfly descriptions to regions in butterfly images and deployed to Heroku
- Managed to enable users manually select regions by drawing polygons on canvas with undo/redo, and promoted to set different authorizations (admin, viewer, editor) to users
- Designed the keyword generator, which improved text annotation efficiency by 65% in large butterfly datasets

Skills

Languages: Proficient in Java, Python, SQL, JavaScript and HTML/CSS; Familiar with TypeScript and C

Frameworks: React.js, Angular, Vue.js, Spring, Flask, TensorFlow, PyTorch and Keras

Software & Tools: Git, Docker, CI/CD, Gradle, Maven, MySQL, Heroku and Atlassian (Jira, Confluence)