

Qitian Lin

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TECHNICAL SKILLS

Languages: C/C++, Java, Python, HTML/CSS/JavaScript, SQL

Tools: Git, IntelliJ, Android Studio, Unity3D, Visual Studio Code, Sublime, XCode, Eclipse, PyCharm, MySQL

Technologies: Firebase, Node.js, Express.js, React, React Hooks, Redux, Bootstrap, jQuery, MongoDB, Context API, GraphQL, Stripe API, mySQL

EDUCATION

Northeastern University

M.S. of Computer Science

Current GPA: 4.0/4.0

San Jose, United States

Expected by May 2022

The University of Queensland

Study abroad program (Exchange Student)

Courses: Advanced Data Structure and Algorithm, Programming in the Large, Image Processing, Software Process

Brisbane, Australia

July 2018 – July 2019

North China Electric Power University

Bachelor of Telecommunication Engineering

Major GPA: 3.75/4.0

Baoding, China

September 2015 - September 2019

EXPERIENCE

Research Assistant at Electronic Technology Innovation Lab

Department of Electronic Information

North China Electric Power University

September 2016 – July 2017

- Led a team of three and won the Honorable mention of the 2017 COMAP's mathematical modeling contest, implemented the prediction models by using MATLAB and Python
- Implemented the CNN (Convolutional Neural Network) for image classification tasks used Python on TensorFlow platform with Keras Deep Learning API
- Used Pillow and Scikit-image packages to augment image data
- Led a team of three and won the Third Prize of 2017 NECPU Electronic Design Contest, mainly responsible for writing and testing with C and Assembly language

SELECTED PROJECTS

Light Share Android App

- Teamed with three, published an android application allowed users to create communities and share content using Java
- Utilized MVC framework for designing, implemented core features: user authentication, users and communities searching, communities displaying and creating with images
- Implemented Fragment feature, utilized Shared Preferences to maintain user information
- Worked with libraries (Glide, Android-image-cropper) for uploading pictures
- Used Firebase Authentication and utilized Firebase Realtime Database to store data

OnePost Web App

- Allowed users to share photos, deployed with Heroku and AWS, provided features such as user registration and authentication, Create/Read/Update/Delete posts and comment
- Implemented Restful APIs with Node.js and Express framework, applied with middlewares to handle HTTP request, adopted MongoDB for data storage
- Designed front end using HTML, CSS (Bootstrap) and JavaScript (jQuery)
- Integrated Google Map API for user location visualization and Passport.js package for user authentication

MangaX E-commerce Web App

- Allowed users to buy Manga books, deployed with Heroku
- Created reusable React components and managed application state with Redux, worked with React Router for developing Single Page Application
- Built responsive Web UI used JSX, SCSS and jQuery
- Used Firebase for user authentication and Firebase real-time database for storing data
- Integrated Stripe API to process payment

Blur Hexo (A blog framework) Blog Template

- Contributed to Hexo GitHub repo and published a Hexo blog theme, allowed people to download and customize
- Used HTML, CSS (Bootstrap) and JavaScript for front end designing, optimized for tablets and mobiles
- Integrated Disqus API to provide comment functionality, integrated Google Analytics web service