

Chiqu[chi-ko] Li

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ABOUT

Passionate, intuitive, and result-driven developer with a vast array of knowledge in front-end and back-end, responsive frameworks, databases, and best code practices.

EDUCATION

Columbia University <i>Master of Science in Mechanical Engineering (Robotics)</i>	New York, NY 08/2019 – 12/2020
Wuhan University <i>Bachelor of Science in Power System</i>	Wuhan, CN 08/2015 – 05/2019

TECHNICAL PROFICIENCY

Languages: Python, Java, JavaScript, C/C++, SQL, HTML/CSS, Linux Shell
Frameworks: Django, React, Node.js, Flask, Springboot, JUnit, Restful, Kafka, Spark, MySQL, PostgreSQL, Redux
Developer Tools: AWS, Git, Docker, GCP, PyCharm, Visual Studio, IntelliJ
Courses: Data Structures, Advanced Software Engineering, Cloud Computing, Database, Algorithms, Deep Learning

EXPERIENCE

Software Engineer Intern <i>Gridology</i>	05/2020 – 09/2020 New York, NY
<ul style="list-style-type: none">Redesigned and implemented Django PostgreSQL database, managed server by AWS Lightsail and optimized the performance of the websiteCreated multiple RESTful APIs getting data dynamically, data update and extraction speed increased by 50%Designed web crawlers on multiple university websites through BeautifulSoup and selenium, improved the scraping efficiency by 50% and deployed it on the server for automatic crawler and data analysis	
Software Engineer Intern <i>Imperial Vision</i>	06/2019 – 08/2019 Fuzhou, CN
<ul style="list-style-type: none">Worked with the front-end and back-end team to design a full-stack web app that helps people turn old black and white photos into color photos by machine learningUtilized React.JS and developed the RESTful back-end server with Java, Spring and AWS S3Accelerated the model training time by 20% by applying batch normalization and drop out	

PROJECTS

Intelligent Door System <i>Python, React, AWS, DynamoDB, Lambda, CloudWatch</i>	07/2020 – 09/2020
<ul style="list-style-type: none">Established an AWS distributed system aiming to give access to visitors by recognizing faces and notifying ownersDesigned React front end portals for visitors/owners and integrated two web pages with API Gateway and SwaggerProcessed streaming video by Kinesis Video Streams and sent one-time-password to open the doorEnabled system to send SMS requesting access if it's an unknown visitor and stored new faces into DynamoDB	
E-commerce App <i>Javascript, React, GraphQL, Redux, Firebase, Git, Context API, SCSS</i>	04/2020 – 05/2020
<ul style="list-style-type: none">Built enterprise level reactive, performant full-stack React e-commerce application and deploy to productionBuilt reusable user inputs with Redux Form complete with navigation, handled payments from users with StripeUsed Firebase to set up authentication and user accounts, managed cart items and handled session storage	
Tic-tac-toe Web Game <i>Java, Javalin, SQLite, JUnit, Maven, MVC, RESTful API</i>	02/2020 – 03/2020
<ul style="list-style-type: none">Created a two-player tic-tac-toe game based on Javalin that allows players to choose role and play subsequentlyConducted API tests and unit tests that cover all conditional branches, used Emma to get code coverage at 98%Stored game state and track each step so that it's able to reboot into the last stable state and resume the game when crashed	

AWARDS

Excellent Student Scholarship	2019
Women's Team Championship of the College Student Tennis Competition of Hubei Province	2018