

QIANQIAN(KARIN) WAN

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SUMMARY:

Over 2 years' experience in programming acquired through both university courses and extra-curricular projects. Fast learner and very receptive to new ideas.

EDUCATION:

Candidate for Bachelor of Computer Science

Expected Completion: Dec 2022

University of Waterloo, Waterloo, ON

Current GPA: 3.9

Relevant Courses: Logic and Computation, Object-Oriented Software Development, Data Structures & Data Management, Foundations of Sequential Programs, Algorithms

SKILLS:

Programming Languages: C/C++, Python, HTML/CSS, JavaScript/jQuery

Development Tools: Git, VS Code, Bootstrap, Google Cloud, AWS, Redis, Docker

Operating Systems: Windows, Linux, Mac

Database: MySQL

PROJECTS:

Restaurant Booking App

Jun - Sept 2020

- Built a hybrid mobile/web app in Flutter that allows users to browse nearby restaurants and create bookings
- Designed RESTful APIs through flask, enabled CORS for the web frontend to access the endpoints
- Hosted a EC2 server in AWS, and configured security group to enable in-bound HTTP port 80 so that the browser can read request
- Used DynamoDB to setup NoSQL database and PynamoDB as python ORM for database operations
- Added in-memory cache mechanism using Redis to reduce latency while loading restaurant data
- Used Docker to create portable containers for both the flask app and Redis

Personal Website

Mar - May 2020

- Developed a personal website using HTML, CSS, and JavaScript to create the frontend
- Wrote RESTful APIs and set up the web server in flask
- Deployed the web to Google App Engine
- Used Docker to create portable containers

Chess Program

July - Aug 2019

- Demonstrated excellent project management and team working skills by leading the planning, design, development and testing process
- Effectively utilized C++ by including inheritance and abstract class while implementing the pieces and using the observer pattern to control the moves

EXPERIENCE:

Finance Assistant

Sept - Dec 2019

ASSA ABLOY AB, Shanghai, China

- Successfully managed time and handle daily operations well in a Financial Shared Service Center
- Participated in report automation project and effectively utilized knowledge of Excel VBA to save half the time making the Monthly Bank Reconciliation Report