Zack Wong (Hang Yee Wong)

Bachelor of Computer Science, Bachelor of Business Administration(Finance)
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TECHNICAL SKILLS

Programming Languages
- Proficient in Python, Java, Go
- Intermediate in C++, Javascript,Typescript

Frameworks and Tools
- Angular2, NodeJS
- RESTful API, Flask
- AWS, Azure, GCP
- Git, Jira, Maven
- MongoDB, MySQL

Related Courses
- Software Construction; Introduction to Software Engineering
- Introduction to Relational Databases; Advanced Relational Databases
- Basic Algorithms and Data Structures; Intermediate Algorithm Design and Analysis
- Distributed Systems; Parallel Computation

EDUCATION

Bachelor of Computer Science   Sep 2015 - May 2018
The University of British Columbia   GPA: 3.3

Bachelor of Business Administration, Finance Major   Sep 2009 - Dec 2011
San Francisco State University   GPA: 3.3

TECHNICAL PROJECTS

BlockArt   Feb 2018

- Implemented a blockchain-based system to support collaborative computer art projects
- Each block in the chain will add/remove visual elements on a canvas that represents the artwork
- The blockchain network supports thousands of nodes and uses a flooding protocol to disseminate operations on visual elements and generate blocks

- The blockchain would validate authenticity of operations and the system uses a proof of work algorithm to guarantee fairness

Technologies and used tools: Go, Goland, Javascript, Azure VM

Coffee House Database   Mar 2017

- Backend server directly connected to MySQL database which can handle insertion, deletion and querying
- Built a UI using Swing in Java which can take user input, construct appropriate SQL query, and communicate with backend server.

Technologies and used tools: Java, intellij, MySQL

InsightUBC   Sep 2016

- Full stack web development
- Built a database server that can process input zip file data, cache processed data onto disk, and answer queries similar to standard SQL query
- Built a user-friendly website which can take user input, convert it to legal query format and exchange data with the backend server through restful API

Technologies and used tools: Typescript, Node, and Angular2

Mind The Gap   Apr 2016

- Implemented an Android application to map the location of stops and tube lines on the London Underground and retrieve real time arrival information at those stops
- Tested and implemented methods according to UML class design diagram
- Wrote JSON parsers to retrieve location and arrival information of stops and tube lines from Transport for London Open Data
- Used a mapping API to present information to the user

Technologies: Java, IntelliJ, JUnit, Genymotion,JSON, RESTful API

WORK EXPERIENCE

NTT Com Asia Limited
   Network Engineer   Sep 2012 - Aug 2015