

WARREN CHAN

COMPUTER SCIENCE MAJOR

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Profolio: warrenkwchan.com

ABOUT ME

Technical Skills Java, C/C++, PHP, Typescript, Unix/Linux, Python, MySQL
Web/Design Spring Framework, Ruby on Rails, HTML/CSS/Javascript
Interests Data Analysis, Advanced Algorithm, Machine Learning
Technologies AngularJS, AWS, Jenkins, Git, Tomcat, MongoDB, SQL Server, Docker

WORK EXPERIENCE

TELUS

Intern, Software Developer - Internet of Things Vancouver, BC (Sept 2018 - Present)

- Developed and designed new micro-services in a web application using Spring Boot in Java
- Implemented Back-End REST APIs in Java and Front-End Components written in AngularJS
- Managed databases by performing data modeling and modifying existing tables for effective data storage
- Improved performance by refactoring inefficient codes to utilize AngularJS libraries and SQL queries
- Improved problem solving skills by debugging issues in the large codebase of a legacy application

COMPETITIONS AND PROJECTS

www.github.com/warrenkwchan

Multiplayer Online Game

(Sept 2017 - Sept 2018)

- Built a multiplayer role-playing game website, exercising full stack from development to deployment
- Utilized NodeJS framework with WebSockets to enable communication between server and clients
- Implemented mini-games and a point system to allow competitive and interactive gameplay
- Deployed application on Heroku and used cloud database service for game data storage

Personal Portfolio

(April 2018 - Sept 2018)

- Designed and developed personal portfolio with Ruby on Rails meant to blog and to showcase projects
- Implemented features using photo attach, syntax highlight, and authentication by learning gem packages
- Utilized Sendgrid for message receiving, Disqus for comment section, and AWS S3 to store files in the cloud

Healthcare Database Application

(Sept 2017 - Dec 2017)

- Built a database application which the staff and patients can make changes to relevant infos such as medical history, prescription, and appointments
- Designed and tested SQL queries to return data required to display on the Front-End pages

InsightUBC

(Jan 2017 - April 2017)

- Developed the system API in Typescript to perform tasks required to run the university and enable effective querying of metadata
- Implemented an EBNF-based query to transform the data parsed into a structured format
- Adapted the project to provision REST endpoints to facilitate remote clients

Taxi Service Research

(Jan 2017 - April 2017)

- Improved taxi utilization by predicting trip duration based on attributes such as pickup/dropoff location and time
- Employed appropriate and effective Machine Learning methods to analyse the training data and produce inferred functions to predict outcomes

EDUCATION

University of British Columbia

(Sep 2015 - Present)

- Bachelor of Science, Majoring in Computer Science and Statistics
- Expected Graduation - May 2020