

Chi (Will) Zhang

University of British Columbia
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Technical Skills

Languages: Java Python JavaScript TypeScript C C++ Bash Golang Ruby

Tools: Git Jenkins Bamboo Docker kubernetes Istio AWS GCP Elasticsearch Kibana Postman React Markdown

Work Experience

Software Developer Intern, NetApp, Inc

2018 / 09 - 2019 / 06

Product: StorageGRID

- Extended new features and fixed bugs for StorageGRID, an Object Storage platform with AWS S3 protocol
- Implemented and refactored an open source S3 Compatible Storage performance measurement tool
- Writing scripts for service health checking, infrastructure maintenance, and CI/CD automation
- Configured Bamboo CI server and Kibana for performance deployment pipeline with daily load testing
- Updated and helped designing Jira workflow to better support Agile development with scrum masters

Teaching Assistant (TA), Department of Computer Science, UBC

Course: Software Engineering, Algorithm & Data Structure

2018 / 01 - Present

- Supervising students building up full-stack web applications and personal Java projects as a scrum master
- Teaching students RESTful API design principles and advanced OO design patterns via the projects
- Illustrating algorithms (like sorting, graph) and Abstract Data Type with their common implementations
- Helping students debugging their projects and designing their minimum viable products

Personal Projects

FastWebDSL

2019 / 09 - 2019 / 10

Keywords: Domain Specific Language Design | EBNF | Python Project | CI Scripting

- Implemented a DSL to help speed up personal website generation process using Python and JavaScript
- Designed the language syntax by running user studies and discussing among the team
- Built an automated development cycle by writing scripts and setting up testing framework

Daily Planner

2019 / 05 - 2019 / 08

Keywords: React-Redux | Meteor | Full-Stack | Scalable Server | Database Design | Algorithm

- Designed a scalable backend so that API calls were minimized and not affected by the number of requests
- Designed an algorithm to estimate the commute time between two geolocations, achieved 95% accuracy
- Implemented a web frontend with page routing using React and Redux

SSC Master

2017 / 05 - 2018 / 05

Keywords: Android | MongoDB | Parser | Algorithm | Multithreading

- Obtained and parsed course data from UBC student server centre (SSC) using Android multithreading
- Implemented the Android frontend using material UI design components

Education

University of British Columbia - Vancouver, BC, Canada

2016 / 07 - 2020 / 05 (Expected)

Bachelor of Science, Major in Computer Science

Dalhousie University - Halifax, NS, Canada

2015 / 08 - 2016 / 04

English for Academic Purposes Program (EAP), Certification in EAP

Shandong University - Jinan, Shandong, China

2013 / 09 - 2015 / 06

General Science & Engineering, Certification in Science & Engineering

- Achieved 85+ average in all science courses