

TRUMAN ZHEN

Year 4, Bachelor of Computer Science

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TECHNICAL SKILLS

Programming	Java, JavaScript/TypeScript, C/C++, React, Postman (AWS), SQL (Pgadmin), Oracle, Node.js, Material UI
Others	Github, JUnit, TDD, Mocha, Algorithm Design

INTERSHIPS

Alida CXM

Sep 2020 – Oct 2021

- Worked in an agile environment and learned the design architecture of the software: datalake, action manager, rule engine.
 - Used react, react-boilerplate, material UI, react-draft-wysiwyg to create webpages that were demoed to clients and company in the live server.
 - Set up endpoints in the action manager that was tested through Postman and triggering actions through AWS. Added databases written in SQL and monitored through PGadmin.
 - Contributed heavily to epics from start to finish, such as the case manager, slack integration and piping.
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PROJECTS

Weather App (React/Redux) (Personal)

June 2020

- Basic react weather webapp that connects to an api to search for temperature and precipitation for a particular city.
- Ability to store the information in a list through redux.

Vancouver Charity WebApp (React, Express, MongoDB, redux) (Academic)

May – Aug 2021

- Charity webapp where companies can sponsor monetary rewards for a charity challenge of their choice (ex. a fishing company funds a river cleaning campaign) and users upload proof of completion.
 - Set up homepage, sign in/settings, user dashboard and company dashboard pages through React, Material UI and Redux.
 - Stored activity and user/company info using MongoDB through AtlasCloud server. Connected to server by setting up express backend.
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TECHNICAL EXTRACURRICULAR ACTIVITIES

Alida Hackathon, Alida, Vancouver, BC

Feb 2021

- Created an AI through GO that would scan thousands of responses from surveys, automatically grade them according to keywords and suggest a select few for customer companies to review. Mainly worked on the frontend.
- Customers could view analytics through tables to determine the quality (questions that had responses that were written in detail) and quantity (questions that had highest response rate).

Research Volunteer, Rankin Lab, UBC Hospital, Vancouver, BC

May 2017 – Jan 2020

- Extended a multi-worm tracker, a Python based program that tracks the movement of worms and records it as images or graphs
- Helped supervising graduate student in testing the code to improve the accuracy of the program and implement better recognition features

UBC BizHacks

Jan 2020

- Built a face recognition system for BestBuy to scan faces and output a list of suggested items, primarily targeting holiday shopping such that friends and families would be able to select gifts based on this system
- Made suggestions such prices and pictures off BestBuy's API, retrieving and parsing using HTTP client and JSON

UBC Build Day: Topic Diversity

Nov 2019

- Built a simple dating app that matches people together based on restaurant tastes, using JavaFX; implemented GoogleMap's geolocation into Java by accessing their API to pinpoint the restaurant for users in a map
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EDUCATION

Bachelor of Computer Science (2nd Degree program) *University of British Columbia, Vancouver*
BSc (Biology) *University of British Columbia, Vancouver*

Sep 2019 – Present
Sep 2019