

Charles Ancheta

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PROGRAMMING SKILLS

- **Languages:** TypeScript/JavaScript, Java, Python, C, C++, Bash
- **Front-end:** React, Redux, HTML, CSS
- **Back-end:** Node.js, Firebase
- **Mobile:** React Native, Android Studio

EXPERIENCE

- **Industry Sandbox and AI Computing** Edmonton, AB
Software Engineer *April 2021 - Present*
 - Developed "VM on Demand", a full-stack web application from scratch that provisions virtual private servers to clients using the OpenStack platform.
 - Lead a small team (<5 people) and worked in pair-programming contexts to provide insight about the existing codebase to new members.
 - Application built purely in TypeScript with React and Redux for frontend and Nest.JS for backend.
- **Industry Sandbox and AI Computing** Edmonton, AB
Network and Systems Analyst *January 2021 - April 2021*
 - Deployed Drupal websites to dedicated Linux web servers and updated website content.
 - Installed and configured software used internally.
 - Provided clear documentation on the steps taken on installing and configuring servers.
 - Developed deployment automation scripts in Bash.

PROJECTS

- **Hello Habits**
Mobile App — School Project — GitHub: github.com/CMPUT301F21T44/HelloHabits *November 2021*
 - A Habit Tracking app that can help users build good habits and learn about other users' habit building journey.
 - App built in Android Studio with Java, Firebase for authentication and storage.
- **UP BRAIN BY 2%!!!**
Web App — Devpost: devpost.com/software/up-brain-by-2 — GitHub: github.com/thyckcorgis/up-brain-by-2 *May 2021*
 - A simple web application incorporating multiple different technologies. Receive a mental health boost with a motivational message. Mental Health Hacks 2021 Winner.
 - Front-end built with Next.js, Firebase for authentication, Apache Cassandra for database, and Linode for hosting.
- **Water App**
Mobile App — Devpost: devpost.com/software/wapp — GitHub: github.com/thyckcorgis/wapp *February 2021*
 - Logging app for water intake. Incorporates competition with friends for accountability and consistency. Receive notifications when you need to drink to ensure you reach your daily water intake goal. HackBU 2021 Winner.
 - App built with React Native and Expo framework. Server built with Node.js and MongoDB, all written in TypeScript.

EDUCATION

- **University of Alberta** Edmonton, AB
B.S. Computer Engineering Co-op - GPA: 3.5 *September 2018 - April 2023*
 - **Courses:** Algorithms and Data Structures, File and Database Management, Computer Interfacing, Object-Oriented Software, Operating Systems Concepts