Alexander Chao

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Software Developer: Specializing in front-end development and data visualization. Have worked with technology stacks like React.js, Typescript, Node.js and PowerBi. Worked in the Agriculture and Information Technology industry.

An adaptable developer that contributed to multiple projects with various technologies and diverse project goals. Worked within multiple teams to improve a global application to help enhance customer experience. Implemented data tracking which monitored user performance and created a full-fledged application that displayed data visualization. Took initiative and went beyond expectations when conducting two solo proof-of-concepts for new technology to enhance the application in the future. Solid developer and data visualization experienced with a strong proficiency in the areas of organized work, implementation of new software, and teaching. Self-Motivator with exceptional problem solving and analytical expertise, in addition to possessing excellent communication and presentation skills.

Education & Certifications

UNIVERSITY OF CALGARY — Calgary, AB, Sept 2017 - May 2023

- Bachelor of Science, majoring in Computer Science

- Undergraduate Coursework: Human Robot Interaction; Operating Systems; Databases; Algorithms; Web-Based Systems; Intro to Software Engineering; Human-Computer Interaction I & II; Calculus II.

Professional Experience

NUTRIEN

Coop, IT Digital Delivery, Jan - Dec 2022

- Built a SharePoint site application to record usage for applications within the Digital Delivery team to allow Product Owners and Directors to use the usage metrics for business meetings.

- Implemented Google Analytics tagging within the Digital Delivery Site to record user actions and movement to help allocate data for the KPI Center.

- Created visual reports using PowerBi to display Google Analytics data to track applications performance.

- Customer and Sales Applications

- Completed two proof of concept features for feasibility and roadmap planning regarding Google Analytics 4 upgrade, and Google Tag Manager integration.

- Completed Front-End enhancements tickets in React.js and TypeScript for the project sprint team.

Industry Experience

Agriculture/Agronomics, Information Technology, Sales/Retail

Soft Skills

Agile Software Development

Requirements Definition & Analysis

Project Scheduling

Team Building

Quality Assurance

Problem-Solving

Strategic Planning

Presentation

Researching New Technologies

Quick Learning Skills

Technology Experience Summary

Software Languages

JavaScript	HTML5
React.js	SASS
CSS	C#
TypeScript	C++
Node.js	C
Bootstrap	DAX
Python	Java

Software Technologies

Visual Studio Code
Git
PowerBi
Power Query
Google Analytics
Google Tag Manager
Looker Studio
AWS Secret Manager
AWS Lambda
AWS CloudFormation
AWS Gateway
AWS RDS
AWS DynamoDB

OLD NAVY CORP

Sales Associate, June 2018 - Oct 2021
- Assisted other employees with point of sales software and teach them the best way to use it.
- Able to communicate effectively with customers and to solve their problems and question.

Additional Experience

CALGARY HACKS, 2021
- Created the Zoom Meeting Auto Launcher within 24 hours remotely to allowing students to upload their course schedule and to auto launch their Zoom classes on time. Java; Python.

CALGARY HACKS, 2020
- Made the Course Playlist Generator within 24 hours which allows students to help find helpful YouTube videos related to the course you entered. HTML5; CSS; Bootstrap; Python; Flask.

TAEKWONDO 2013 - 2017
- Assisted in teaching multiple children with a wide range of skill level and had to find the best way to coach each student base on their learning style.

EQUALEARN 2016 - 2017
- Taught one on one tutoring to children who come from low-income families.

Technical Experience

THE EMOJI BUTTON 2021
- Created a fun memory game using Emojis. Implemented the back-end win condition of the game. JavaScript; HTML5; CSS.

MAZE TO UNLOCK 2021
- Replicated a smart phone lock screen where you must use head movements to unlock the phone. Implemented the front-end design and machine learning of the app. Teachable Machine; JavaScript; Python; HTML5; CSS.

BATTLESHIP GAME 2020
- Recreated the classic game of Battleship on a web-based system that allows you to make an account and play with your friends in real time. JavaScript; React; Node.js; AWS Lambda.

ANIMAL RESCUE WEBSITE 2019
- Web-based database system that will allow you to manage an animal shelter. Promoted picking the idea of the animal shelter which I am passionate about. PHP; Bootstrap; SQL.