Kohl Peterson

(306) 461-6896   Kohlglenn@gmail.com   Kohlglenn   Kohl-Peterson   New Westminster, BC

🏆 Project Showcase

Prolific* (Personal) 🔗 prolific-app.herokuapp.com Prolific   Aug 2020 - Now

Powerful task organizer with an emphasis on functional design and empowering individual productivity

- The client is built with **React**, **Redux** and **TailwindCSS** which communicates with the server built on **Node** and **Express** that stores user data in **MongoDB** with and deployed on **Heroku**
- Key Features: **OAuth 2 login** with Private Routes, CRUD task workflows, Bullet List display with inline editing/updating, Sort and Multi-Filter, Collaborate with Groups*, Kanban Board*, User-defined display*

SAP Seating App* (Work)   Sep 2020 - Now

An application that allows managers to assign and unassign desks and visualize who sits where

- This app was made to simplify and centralize the process of assigning and unassigning seats as this is currently done by in spreadsheets by multiple stakeholders.
- The client is built with **React** and **Bootstrap** which communications with the server built on **Node** and **Express** that stores user data in **PostgreSQL**. I worked in a team of 2 as a developer.
- Key Features: Smart-Search & Filter, CRUD desk workflows, User-Roles*, OAuth 2 login*

SAP Virtual Reality Tour* (SAP d-shop)   Sep 2020 - Now

A website that allows visitors to take a virtual tour of the SAP office and interact with SAP infographics

- Built using **HTML**, **Aframe** and **jQuery** where I worked with a team of 7 as a developer.
- I was responsible for movement controls, templatizing our codebase and the 'Home' navigation scene.

SmartRecycle (SAP hackathon) 🔗 smartrecycleapp.com Smart-Recycle   Oct 2020

Making recycling easier for consumers by leveraging AI to identify what is recyclable and how to sort it

- An application that uses a users camera in order to take an image of an object in their environment which is processed into descriptive text, queried against a database of recyclable items and all of the relevant recycling information is returned to the user in a seamless experience.
- The client is built with **React** which communicates with the server built on **Node** and **Express** that sends user captured image data to **Google Vision API** endpoints and the same **API RecycleBC** uses and hosted on **AWS**. I worked in a team of 4 as a developer.

OCR-Live (Personal) OCR-Live   Jan 2020

Draw numbers on a canvas and have a convolution neural network predict the result in real time

- A **Python** application that uses **Tensorflow** and **PyQt5** in order to predict what digit a user is drawing in real time using a CNN I trained on the MNIST dataset.

*Currently in Development

✏️ Education

B.Sc. – Computer Science and Statistics Major   *est. April 2022*

University of British Columbia, Vancouver BC   *UGPA – 90% (4.33/4.33)*

- Relevant Classes: Software Engineering; Intermediate Algorithm Design and Analysis; Machine Learning and Data Mining; Intro to Relational Databases; Computer Hardware and Operating Systems; Internet Computing; Finding Relationships in Data; Time Series and Forecasting

B.B.A. – Finance Major (distinction)   *April 2017*

University of Regina, Regina SK   *UGPA – 82% (3.80/4.33)*

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💼 Professional Experience

Technical Project Coordinator   *Sep 2020 – Now (work term)*

SAP Canada, Vancouver BC

- Working with senior leaders to assist in the **planning** and **coordination** of complex enterprise **software** development projects by **creating BI dashboards** using SAP Analytics Cloud and ad-hoc reporting.
- Coordinated the hiring of 24 Agile Developers and the onboarding experience for ~50 new hires.
- Developed a PERN (**PostgreSQL, Express, React, Node**) app to assist with managing office seats.
- Created and maintained a **Jupyter Notebook** to validate new ETL software was working correctly.

Tax Education Officer   *Jan 2018 – Aug 2018*

Ministry of Finance, Government of Saskatchewan, Regina SK

- **Performed outreach visits** in order to educate businesses on PST and how it applied to their business, as well as ensure the business was operating in accordance with **government auditing standards.**
- Answered **complex PST queries** in accordance with government PST legislation
- Created an intra-department educational manual to assist in the adoption of a new corporate software system

Logistics Coordinator   *Aug 2016 – Dec 2017*

Seaboard Special Crops, Regina SK

- Created and maintained a **VBA application** to accurately estimate transportation costs, **finding select routes** that were significantly cheaper **increasing trade profit margin by ~100%**
- Executed and facilitated the logistics of moving specialty crops through to **overseas end destinations** with considerations to **import/export regulations, cost of freight and product**
- Communicated with freight forwarders, stuffing facilities, major and short rail lines, brokers and customers to ensure timely and accurate delivery of product to meet contractual obligations

Accountant   *Jan 2016 – May 2016 (part time)*

MNP LLP, Estevan SK   *Jan 2015 – Apr 2015 (work term)*

- **Compiled financial statements** and **created corporate tax returns** from 'prepared by client' trial balances and **assistance in bookkeeping**
- Communicated with clients and prepared client correspondence for future engagements

Fixed Income Trader Assistant   *Sep 2015 – Dec 2015 (work term)*

Greystone Managed Investments, Regina SK

- Queued up **money market divestitures** with consideration towards meeting future **cash flow needs, portfolio duration and weightings**
- Update and deliver reports used by the fixed income team to facilitate the investment decision process

🖥 Languages & Technical Skills

- Languages: Python, JavaScript, Typescript, SQL, HTML, CSS, Java, C, C++, Julia, R, VBA
- Libraries: Node, Express, React, Redux, Passport, Bcrypt, CryptoJSON, Jest, Mocha, Chai, Asyncio, Tensorflow, Keras, Unittest, Junit, Swing, JDBC
- Tools: Git, Postman, Jupyter Notebook, R Markdown