

# Nielson Trung

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## EDUCATION

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### University of Calgary

*Bachelor of Science in Computer Science*

Calgary, AB

*Sept. 2017 – Dec 2021*

## TECHNICAL SKILLS

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**Languages:** Python, Java, C, C++, JavaScript, HTML, CSS, Shell scripting, SQL, Rust

**Operating Systems:** Linux, Windows

**Libraries & Frameworks:** React, Vue, Node.js, Bootstrap, MongoDB

**Developer Tools & Software:** GitHub, GitLab, Git, VS Code, Visual Studio, PyCharm, Eclipse, AdobeXD

## SUMMARY

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Recent graduate from the University of Calgary with a Bachelor's of Computer Science. Proficient in multiple programming languages with a highly transferable skill set. Self-motivated individual interested in developing productivity software solutions that automate or solve problems I encounter.

## EXPERIENCE

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### Web Developer

Mar 2020 – Aug 2020

*Electrical Design Management*

*Calgary, AB*

- Identified and corrected issues discovered by stakeholder feedback
- Determined and implemented user needs by analyzing technical requirements
- Edited, wrote, designed, and maintained Website content
- Conferred with team members and stakeholders to resolve conflicts and prioritize requirements

### Caterer/Event Services

Aug 2019 – Mar 2020

*MacEwan Hall Conference & Events*

*Calgary, AB*

- Arranged the delivery of food items efficiently while coordinating with numerous staff members
- Communicated and worked effectively with staff members to serve and meet the needs of over a 1,000 guests
- Coordinated with staff to productively set up and take down equipment for large events under tight deadlines

## PROJECTS

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### Calgary Covid-19 Tracker | *Python, JavaScript, Echarts.js, HTML, CSS, GitHub*

Jan 2022

- Utilized Python and JavaScript to process public datasets with over 160,000 rows of data to create a choropleth map and calendar visualization
- Visualizing the projected active cases of Covid-19 across Calgary's communities and daily historical active cases in the city giving insight to trends and patterns of Covid-19 across the city

### Pokémon Team Builder | *Python, JavaScript, HTML, CSS, React, GitHub*

Nov 2021

- Designed and developed a Single Page Application solution for a Pokémon database and team builder
- Managed over 1000 image assets and multiple JSON files totaling over 40,000 lines
- Effectively reduced loading times compared to other database sites by 80%

### Zoom Note Taker | *Python, Python Tesseract, OpenCV, GitHub*

Oct 2021

- Implemented OpenCV with Python to automatically capture screenshots and compile notes during Zoom lectures with a 90% accuracy effectively reducing manual note taking times by 70%
- Developed for courses that did not provide course content outside of lectures and content without text highlighting
- Learned image preprocessing techniques such as thresholding to increase OCR accuracy

### Finance Tracker | *Python, JavaScript, HTML, CSS, GitHub*

May 2021

- Designed and implemented a finance tracker to visualize trends in historical and categorical spending
- Created due to a developed interest in personal finance during Covid-19 and inconsistencies in RBC's MyFinanceTracker reporting duplicated transactions and deficiencies in the user friendliness of their application