

Chace Nielson

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About Me

I'm a web-focused software developer who thrives on new challenges. I'm always exploring fresh ideas and expanding my skills, whether it's through coding or creative pursuits like songwriting and game design. I aim to apply my diverse talents in a progressive work atmosphere.

Skills

Python	HTML/CSS/Tailwind	ReactJS	NodeJS	Vue
Python Dash	Unity Game Engine/C#	JavaScript	PostgreSQL	Spark
FastAPI	C/C++	ChartJS	MongoDB	Hadoop
Git/GitHub	Docker	ExpressJS	MySQL	Java

Experience

Alberta Tomorrow

Jan. 2024 – Present

Position: Software Developer

Responsibilities:

- Main work was on a simulation tool focused on sustainability in Alberta
- Perform bug fixes and feature additions using Vue, HTML, CSS

Energi Simulation Centre for Geothermal Systems Research

May 2022 – Feb. 2024

Position: Lead Software Developer and Intern of Merit Award Recipient

Responsibilities:

- Led a multidisciplinary team of engineers to develop a website capable of analyzing drilling data.
- Data was focused on geothermal wells in New Mexico and Germany
- Assigned and supervised tasks fostering a collaborative work environment
- Contributed to the recruitment process, including resume screening, and conducting interviews
- Worked with ReactJS, FastAPI/Python, MySQL, Postgres, Docker, and Streamlit

Personal Project (For more details on my projects see my [portfolio](#))

Video Game Development – Unity Game Engine

- Used C# to create simple games involving save states.

Art Gallery Web Application – MERN Stack

- Created a full-stack application using ReactJS, ExpressJS, MongoDB and Heroku

Speech Verification Application – Python Dash/CSS

- Gaussian Mixture models used in an application that verifies a user's speech against a speech profile.

Education

Bachelor of Science in Software Engineering

May 2024

Schulich School of Engineering – University of Calgary – 3.6 GPA

- Dean's List, Graduated with Distinction, Jason Lang, Alexander Rutherford Scholarship

Volunteer Work and Extra Circular Achievements

Cochrane Eagles basketball association/ Bow Valley High School Coach

Fall 2017 – Present

Homes of Hope – building a home for a family in Tijuana Mexico

November 2019

Full scholarship athlete of Medicine Hat College Basketball Team

Sept 2013 – March 2015