

Peter Huang

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EDUCATION

University of Alberta (UofA)

Edmonton, Alberta

Bachelor of Science in Computing Science Specialization (GPA: 3.70/4.00)

September 2022 - Present

Honours: Dean's List (2023) | Jason Lang Scholarship (2023) | Golden Key Society (2023) | Alexander Rutherford Scholarship

Relevant Classwork: Data Structures, Intro to Machine Learning, Linear Algebra, Discrete Math, Algorithms (ongoing), File and Database Management (ongoing), Computer Organization and Architecture (ongoing)

SKILLS

Programming Languages: Python, JavaScript, TypeScript, C

Tech/Tools: CSS, HTML, React.js, Next.js, Vite.js, Express.js, MySQL, MongoDB, NumPy, Pandas, Node.js, BeautifulSoup, Git

PROJECTS

University of Alberta Course Planner

Ongoing

github.com/peterhuang569/UofAPlanner

- Spearheaded the development of an **AGILE**-inspired, dynamic full-stack **JavaScript** based project with a team of three.
- Utilized Python, via **BeautifulSoup**, for web scraping to efficiently gather and extract class information.
- Engineered using **React** and **Vite** with **Tailwind** CSS for frontend, loaded the extracted data onto a cloud SQL server hosted on PlanetScale
- Employed an **RESTful** api using **Express** to expose API endpoints to facilitate seamless connection between the client-side and server-side applications
- Successfully deployed the project on **Firebase**

Express API

Jan 2024

github.com/peterhuang569/Express-API

- Implemented RESTful API endpoints using Express and **TypeScript** to facilitate seamless CRUD operations with a **NoSQL** server
- Deployed cloud **MongoDB** server on MongoDB Atlas

Personal Website

Jan 2024

github.com/peterhuang569/personal-website

- Designed and implemented a dynamic and responsive personal website, utilizing **Next.js**, React, and Tailwind for an enhanced user experience.
- Effectively deployed and hosted the project on Firebase

WORK EXPERIENCE

Summer Student

Calgary, Alberta

Trico Homes

May 2023 - August 2023

- Collaborated with the service and warranty department in a highly **fast-paced** summer internship, honing exceptional communication and interpersonal skills to address inquiries, resolve concerns, and ensure positive customer outlooks.
- Successfully contributed to a 100% increase in the number of houses under warranty, from 40 to 80, during my internship tenure.

VOLUNTEERING EXPERIENCE

Computer Science Mentor

Edmonton, Alberta

Schulite Ignite (30~ Hours)

September 2023- Present

- Successfully instructed and mentored a group of five or more individuals in the fundamentals of data structures, Object-Oriented Programming (OOP), and abstraction using Pygame in Python.

Science Mentor

Edmonton, Alberta

ISSS (50~ Hours)

September 2023- Present

- Facilitated the seamless transition of three mentees into the university environment by providing invaluable guidance and support, ensuring their successful adaptation to the academic and social aspects of campus life.

Head Volunteer

Calgary, Alberta

Calgary Public Library (200~ Hours)

August 2018- September 2021

- Successfully oversaw and managed 5 programs/classes as the lead volunteer with over 100+ people

CAMPUS & COMMUNITY INVOLVEMENT

Competitive Programming Club, Member

September 2022 - Present

Language: Cantonese native speaker, Mandarin native speaker