



Zhenyao Zhu (Luke)

Year 3 (Sep 2021 – Present), Computer Science Honour with Software Engineering, Commerce Minor

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Technical Skills/Education

GPA: 4.00/4.33
Coding: Java, C++, C, HTML, CSS
Tools/Environment: IntelliJ, VS Code, GitHub

Trek Excellence Scholarship

2022

- Top 5%-10% of undergraduate international students at UBC Vancouver

Technical Projects

ChatGPT Canvas Academic Navigator

Feb 2024 – Present

- Designed a Python web crawler to automate extraction of content from Instructure Canvas LMS to enrich a ChatGPT-driven student assistant tool
- Integrated ChatGPT API endpoints into the application to provide an interactive query system, allowing students to efficiently search and utilize learning materials

GreedyEducation Website

Sep 2023 – Present

<https://greedyedu.000webhostapp.com/>

- Designed a web interface that maintains visual appeal and readability while ensuring web page elements retain their properties across various browser sizes
- Optimized (presently) website's visual appeal with animation and equipped website's user interaction features such as data transfer to the backend

Event Management Application

Sep – Dec 2022

- Wrote a Java application (with JSON) with a two users integrated interface (GUI) to support event management activities
- Utilized event logging to capture application events, allowing for more efficient debugging
- Minimized resource usage by applying singleton pattern for event logging to improve performance by 10%

Experiment about Angle and Loading Capacity in Bridge Structures

Apr – June 2022

- Enhanced data readability by using R to create visual representations of the collected data

Work Experience

Project Training Assistant, UBC Integrated Renewal Program (IRP)

Sep 2023 – Present

- Collaborated with IRP team members and faculty to support the development, organization, and maintenance of training materials, ensuring the quality and relevance of Workday Student training across designated UBC units
- Contributed to the quality and effectiveness of pre-go-live Workday Student through comprehensive assessments and evaluations, including collaboration with the Quality Assurance team for interface-level testing of the Workday platform

Server, Feel City BBQ and Hui Lau Shan

2022 - 2023

- Excelled in a fast-paced dessert preparation environment, collaborating with peers to ensure timely, high quality, and exceptional customer service

Extracurricular Experience

Learning Analytics Hackathon

Nov 2023

- Conducted a detailed analysis of Canvas event logs to uncover patterns and relationships, aiming to maximize data utilization and reveal key dependencies that could enhance educational outcomes

Vancouver Unikraft Hackathon

Sep 2023

- Updated libraries and added Lua application as a dynamic build to unikernel virtual machines, and conducted testing to ensure their functionality

Data Analyst, JobStarter

Jan – Sep 2021

- Searched and analyzing domain keywords for job descriptions across various job categories, and collaborated with the IT for developing a website about resume keywords optimization