Alvin

PERSONAL INFORMATION

Name: Alvin Guo Gender: Male
Mobile: 250-884-0965 (Canada) E-mail: yupengguo007@gmail.com
Current address (in Canada) : 920 Cobblestone Lane, Victoria, BC, Canada, V8Y 3G3

EDUCATION BACKGROUND

2021.05 – 2023.12

University of Victoria

Program taken: Engineering B.SC. Major Computer Science
Student No.: V00987315 PEN No.: 142778349 Current GPA: 6.17out of 9.00
Description of GPA Calculations: https://www.uvic.ca/registrar/students/policies/calc/index.php
Address: 3800 Finnerty Road Victoria BC V8P 5C2 Canada
Language of Instruction: English Website: https://www.uvic.ca/

Major Courses taken in University of Victoria:

Course name: ***Date Mining*** 2023.05 – 2023.08

Description: In this course, I published a project report, with group of 3 students, named ***Historical Data Mining for Predicting Air Quality in Victoria, Canada***, which aimed to develop a data-driven model for accurately predicting future air quality in Victoria, Canada, leveraging historical data. A quintet of strategies encompassing linear regression, Logistic Regression, Decision Tree, Random Forest, and Gradient Boosting techniques were utilized.

Course Name: ***Distributed and Open Learning*** 2023.05 – 2023.08

Description: I designed a Java course based on Universal Design for Learning. When designing this course, I also designed many barrier-free functions by taking students with vision or hearing impairment into consideration. I also published some reports about the connection and development of future education and AI, pls refer to the following website:

Website: https://onlineacademiccommunity.uvic.ca/alvinedci339/

Course Name: ***Fundamentals of Computer Animation*** 2022.09 – 2022.12

Description: I published a project report named ***Tyndall Effect in Smoke Animation***. This study investigates the impact of smoke simulation on the Tyndall effect under various conditions, including different parameters such as velocity diffusion, curl count, and density dissipation. The study implements and customizes these parameters in Unity and employs quantitative metrics such as smoke volume, density, curl, and velocity to evaluate the simulation's effectiveness.

Course Name: ***Introduction to System Analysis*** 2022.09 – 2022.12

Description: Together with other 6 classmates, we analyzed and redesigned the system of the UVic ONE card (a student identification and a campus debit card) and conduced structured analysis and design in every stage of the life cycle of the software. Our team was divided into 2 groups. Group one played the role as clients or users. Group 2 were system analysts.

As a member of group 2, I was responsible for setting project goals and checked whether our team achieved our goal on the basis of measurement standard. Works of our team were finally published in the following website.

Website: https://onlineacademiccommunity.uvic.ca/csc375group12/

Course Name: ***Human Computer Interaction*** 2022.05 – 2022.08

Description: In this class, I learned how to choose suitable human computer interaction methods, and how to meet the needs of target clients, how to apply design principles and use Prototype to conduct small-scale researches. Thus, together with the joint efforts of other 3 classmates, our team designed the human-computer interaction interface of a type of dating application. Written report, PPT and videos were finally published in the following website.

Website: https://onlineacademiccommunity.uvic.ca/radome/

Camosun College **2018.09 – 2021.04**

Program taken: University Transfer - Science GPA: 5.02 out of 9.00 Student ID: 0479303

Address: 4461 Interurban Road, Victoria, BC, V9E 2C1 Phone: 250-370-3000 Fax: 205-370-3750

Language of Instruction: **English** Website: https://camosun.ca/

Lambrick Park Secondary School **2017.02 – 2018.06**

Program taken: Grade 12

Qualification received:

Address: 4139 Torquay Dr. Victoria BC, V8N 3L1 Phone: 250-477-0181 Fax: 250-477-0143

Language of Instruction: English Website: https://lambrickpark.sd61.bc.ca/

TECHNICAL SKILLS & OTHER

- Related software(including Office, Excel, Word(Java, Python, C/C++, SQL, etc)

LANGUAGE PROFICIENCY

- **Mandarin:** Native Speaker
- **English:** Average