BRYAN HUANG
MAJOR IN COMPUTER SCIENCE, 3RD YEAR

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TECHNICAL SKILLS

Programming Languages: Java, C++, JavaScript, TypeScript, R, HTML, CSS & C#

Testing: JUnit, Mocha & Chai

Software: IntelliJ, VSCode, Eclipse & RStudio

EXPERIENCE

September 2022 - *Present*

Computer Science Teaching Assistant, *UBC Department of Computer Science*

- Facilitated the development of systematic program design skills among students using BSL.
- Collaborated with a team of 3 to manage multiple weekly lab sessions, ensuring a smooth and effective learning experience for all participants.
- Provided guidance and individualized support to students as a means to optimize their acquisition of program development skills.

September 2022 - *Present*

Private Tutor, *Hillhouse Education*

- Provided academic support and guidance to high school students in Mathematics, AP Economics, and AP Computer Science through private tutoring sessions.

June 2021 – September 2022

Coding Instructor, *Code Ninjas*

- Educated children between the ages 7-14 in the fundamentals of programming through JavaScript, C++, and Lua.
- Spearheaded summer camps focused on 3D printing, game design and game modifications; guiding and mentoring attendees to foster their creativity and innovation.
- Delivered instruction on the essentials of Unity to students, enabling them to develop skills in game design and 3D modelling.

January 2022 – August 2022

Notetaker, *Centre for Accessibility at UBC*

- Produced concise, comprehensive notes and provided them to clients promptly, ensuring clear communication and documentation of key information.
- Demonstrated exceptional organizational skills and academic achievement, leading to selection for the position based on this qualification.

EDUCATION

The University of British Columbia, *Vancouver, BC*
Sept. 2021 – June 2026
4.2 /4.33 GPA
Bachelor of Arts, Major in Computer Science

PROJECTS

April 2023 – present

Nexus Wallet *[Volunteer]*

- Volunteered with a startup focused on developing a crypto-based mobile wallet.
- Built a TypeScript-powered backend web application for performing ID verification using Next.js, which enabled seamless updates to a larger Firebase database.

Technologies: TypeScript, HTML, CSS, Firebase, Next.js, Git

January 2023 – April 2023

InsightUBC *[Academic]*

- With a partner, developed a TypeScript-based query engine from the ground up to search through a database of over 60,000 UBC sections and 300+ rooms.
- Designed and implemented a front-end web application using Next.js that utilizes REST endpoints of the query engine.
- Successfully implemented Agile methodologies to drive efficient and effective project management, resulting in enhanced partner collaboration.

Technologies: TypeScript, Node.js, Next.js, Mocha, Chai, JSON, Git

December 2022 – January 2023

Platodoro *[Personal]*

- Designed a Pomodoro timer application with a dynamic screensaver.
- Created a 3D voxel using Blender and animated through Unity.
- Wrote C# scripts to provide core functionalities for the Pomodoro timer.

Technologies: C#, Unity

January 2022 – April 2022

Checkers Application *[Academic]*

- Employed OOP principles and 2D array data structures to develop a Checkers application in Java**.**
- Designed and implemented a user-friend GUI through JFrame**.**
- Utilized JSON to effectuate data persistence of board states.

Technologies: Java, JFrame, JUnit, JSON, Git

AWARDS & CERTIFICATIONS

Chung Family Scholarship in Arts (March 2023)
Received the Chung Family Scholarships in Arts, a highly competitive award granted through faculty nomination, in recognition of outstanding academic performance as an undergraduate in the Faculty of Arts.

Dean's List (May 2022)
UBC's Dean's List recipient in recognition of exceptional academic achievement in the Faculty of Arts, designated to students who have completed at least 27 percentage-graded credits with an average of 85% or higher.

BC Achievement Scholarship (June 2021)
Recognized as one of the top academic achievers in the province through receipt of the BC Achievement Scholarship, a highly selective award granted to only 8000 graduating students each year.