Junhyuk (Andy) Bae jba168@sfu.ca

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TECHNICAL SKILLS

Programming Languages: Python, C, C++, C#, Javascript, HTML, CSS, SQL, Godot
Frameworks : React.js, Node.js, Express.js
Transferable Skills : Fluent in French, Korean and English

EXPERIENCE

Freelance Developer | Hydrowave Android and IOS application July - October 2024

- Languages used: Flutter, Dart, Firebase
- Successfully debugged, tested and developed flutter application for Hydrowave.
- Collaborated with developer and product manager to create an ecommerce application available on android and ios.
- Obtained adequate experience working on developing, structuring, testing flutter based software.
- Worked on documenting code, unit testing flutter application and collaborating with the development team.

PROJECTS

Fall Hacks Project First Place | Faster Than Light Yagami September 2024

- Languages used: Godot
- Collaborated with a team of 4 and developed a game in Godot with immersive music and sound effects.
- Learned to
- Awarded the First Place Prize by the Computer Science Student Society out of 40 participating groups as it recognized this project for it's creativity and engagement.

Personal Project | Bank Management System June 2024

- Languages used: C++, sqlite
- Created a C++ based Banking System with sqlite as its database and an undo functionality using a Stack.
- Keeps track of each user's bank accounts, balances and handles transactions. Also has undo functionality by implementing a Stack abstract data type keeping track of transactions and when asked to undo, it will do the reverse operation.

Personal Project | Net Worth Calculator Web Application February 2024

- Languages used: Javascript, React, Postgresql, Express, Node, HTML, CSS
- Created a net worth calculator website using Postgresql, Express and Node as the backend and React as the frontend.
- Utilised RESTful APIs to handle CRUD operations in the backend.
- Enabled users to calculate their net worth and track historical trends for financial insights.

Group Project | Quant Regression Based Trading Algorithm June 2023-May 2024

- Languages used: Python
- Successfully developed, tested and debugged stock trading algorithm while collaborating with a team of 7.
- Developed proficiency using github as a team.
- Worked on implementing a main set system that creates regression lines to determine buy, sell and hold trades by stock trading algorithm.
- Obtained adequate experience working on developing, structuring, testing Python based software.

EDUCATION

B.Sc. in Computer Science | GPA: 3.86/4.33
Simon Fraser University | Burnaby, B.C. Expected June 2027
Relevant Courses: Introduction to Computer Science (1 and 2), Data Structures and Programming, Applied Linear Algebra, Calculus (1 and 2), Introduction to Software Engineering