NHAN VY NGUYEN

in linkedin.com/in/nhan-vy-nguyen-50635716a/

github.com/NhVNgn

Burnaby, BC, V5B 1X1
Cell: 778-231-6872
nhanvyn@sfu.ca

SKILLS

Programming Languages: C/C++, C#, .NET, Python, Java, MySQL, HTML, CSS, JavaScript, Rust
Frameworks/Platforms: CMake, Node.js, ReactJS, Vue, GraphQL, Git, Android Studio, Firebase, Jira

PROJECTS

Customizable social gaming platform   Sept 2022 - Dec 2022

CMake, C++20, Boost, Networking, Design pattern

- Participated with a team of 8 to develop a C++ Kahoot-inspired game engine that allows users to host their game room on a decentralized server and customize their games by inputting a JSON configuration file
- Successfully integrated CMake for generating build system and cross-platform building capability. Written unit test with Google Tests library to ensure correct parsing for JSON file
- Designed JSON interpreter component with the factory pattern to parse JSON files into a tree structure

ImageRepo - Photo organizer web app for hobbyist photographers   April 2022 - Aug 2022

ReactJS, JavaScript, Firebase, Tensorflow

- Developed a website to store, analyze and classify pictures based on their content
- Implemented asynchronous image uploading and updating functionalities with Firebase and React hooks
- Integrated Tensorflow machine learning model to detect objects and generate tag names for images
- Designed search filters to filter images based on the user's typed keywords

Restaurant dine-in website – Database System   Feb 2021 - April 2021

MySQL server, Python Flask

- Collaborated with a team of 4 to design the interface for a dine-in restaurant website with Vue, allowing customers to book tables and orders from their devices
- Configured a MySQL database back-end server with APACHE and designed data operation API with Flask to fetch and modify data between the restaurant's website and the MySQL database

Remote worker app – Mobile Computing   Oct 2020 - Dec 2020

Java, Android Studio, Cloud Database

- Gathered user stories from SEEDA company, planned requirements, and participated in a scrum team to design a mobile networking app for construction workers
- Programmed mobile app front-end with XML and back-end with Java which allows user to sign in, connect with their coworkers and host their live meetings through Firebase's real-time database

EXPERIENCE

Microchip Technology - Database Engineer Intern   Jan 2022 - April 2022

- Improved weekly project review process by developing python scripts with Jira REST API and Jira query to fetch issues from the Jira production server. Automated sending issues to project managers' emails with Python SMTP
- Researched and implemented Jira Advanced Roadmaps feature to track progress and dependencies between project milestones.
- Consulted with project managers and engineers across Microchip departments to collect past CSV data for constructing pivot charts and building program metrics database with Microsoft Access

EDUCATION

BSc: Computer Science – Software Systems   Sept 2019 - Present

Simon Fraser University, Surrey BC