# Neven Huynh . Jarvis Consulting

Driven, detail-oriented, and passionate about creating impactful solutions, I am a recent graduate from York University with a Bachelor's degree in Computer Science. My academic background has equipped me with strong technical skills and a solid foundation in software development. Excited by the ever-evolving nature of the software industry, I am passionate about leveraging technology to address complex challenges and build scalable, user-focused solutions that make a difference. I thrive on continous learning and am eager to contribute to innovative, high-impact projects.

## Skills

**Proficient:** Java, Linux/Bash, RDBMS/SQL, Agile/Scrum, Git

**Competent:** HTML, CSS, JavaScript, Python, Unit Testing, Maven

**Familiar:** Docker, MySQL, PostgreSQL, AWS, R, Jakarta Servlet

## Jarvis Projects

Project source code: https://github.com/jarviscanada/jarvis_data_eng_NevenHuynh

**Cluster Monitor** [GitHub]: Developed an automated system to monitor server performance metrics across a network of Linux servers. It collects hardware specifications as well as resource usage data (e.g. CPU, memory, disk) in real-time utilising bash scripts and crontab to automate the execution of the scripts. The data is then saved in a PostgreSQL database hosted in a Docker container.

**RDBMS and SQL** [GitHub]: Practiced SQL skills by completing a compilation of PostgreSQL exercises. The dataset used is a made-up sample country club with a set of members, facilities, and booking history for the facilities.

**Grep App** [GitHub]: Developed a Java based tool that mimics the usage of the grep command in Linux. The app recursively searches a specified file directory for any files and searches each file for a line of text matching a specified regular expression. All matching lines are then outputted to an output file specified by the user. The application was dockerized as a Docker image, available on DockerHub.

## Highlighted Projects

**Shoe E-Commerce Store** [GitHub]: Co-developed a full stack E-Commerce web application for users to browse a shoe store, packaged in Docker. Utilized Jakarta Server Pages (JSP), JavaScript and CSS for front-end development. Created a SQLite database to organize user information, product stock and purchase history. Login/register page was built utilizing SQLite to verify user credentials and developed an admin panel for updating and deleting products and users.

**Support Vector Machine Image Classification**: Created a model which classified images as "outdoors" or "indoors" using a dataset of 800 images. Data was preprocessed by partitioning the images and calculating the mean colour intensities of each partition and utilized the 'e1071' package in R to train the model. Image classification achieved an accuracy of 80%.

## Professional Experiences

**Software Developer, Jarvis (Nov 2024 - present)**: Implemented various software projects using Linux, SQL, Docker, Git, Java, Maven, and JDBC. Participated in daily scrum meetings to discuss progress, share updates, and identify blockers to ensure smooth project execution. Participated in regular code reviews to maintain high-quality standards and gain vauable insights from feedback. Continously explored and integrated new technologies and tools to enhance project outcomes and expand technical expertise.

## Education

**York University (2019-2024)**, Bachelor of Science with Honours, Electrical Engineering and Computer Science - York University Entrance Scholarship - Lassonde Entrance Scholarship - Achieved First Class Standing - GPA: 7.7/9.0

## Miscellaneous

- Backyard gardening. I love growing my own food and trying new varieties of crops that can't be found in grocery stores.

- Fishing. I like spending time outdoors and relaxing in nature. Biggest catch was a ~5lb channel catfish.
- Gaming. I play a variety of video games but most of the time, I play gacha games like Genshin Impact and Wuthering Waves. Once placed top 33 Grandmasters in Smite.
- NBA. Big Toronto Raptors fan. Current favourite player is Scottie Barnes.