Vivian Dang

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Data Analytics | Software Engineering | Critical Thinking

Summary of Qualifications:

- Student of software engineering specializing in Health Informatics Technology at Centennial College, currently serving as an Intern; Holds a Bachelor of Science in Life Sciences from University of Toronto
- *Data:* Experience entering and analyzing important sales and profit/cost data in daily and monthly Excel reports
- *Management and Leadership:* Demonstrated through training students and staff as a Teaching Assistant and Manager
- *Organization and Time Management:* Collected and documented detailed daily records of *D. melanogaster* data
- *Communication:* Fluent in English and Cantonese; limited working proficiency in French

Technical Skills:

Languages:	**Python**; **C#**; **C**; **SQL** (MySQL, Oracle SQL); **JavaScript**; **SAS Analytics**; **HTML**; **CSS; Java**
Software:	Excel, Microsoft Visio, Visual Paradigm, VMware Horizon, Git/GitHub, Jira, Microsoft Project
Operating Systems:	Windows, Linux, Unix

Education:

Software Engineering Technology - Health Informatics Advanced Diploma (Co-op)   Sept. 2021 - Present
Centennial College, Toronto, ON   *GPA: 4.22/4.5 (A)*

- **Client-Side Web Development** – Incorporating JavaScript code and CSS stylesheets to HTML pages
- **Introduction to Database Concepts** – Database queries using Oracle SQL Developer (DDL, DML, DCL)
- **Linux/Unix Operating Systems** – Commands/command-line editing to create and change files/directories (VMware Horizon), and practice C
- **Programming** – Object-oriented programming in C# in Visual Studio and Visual Studio Code
- **Structure of HCIS** – The storage and movement of data in Healthcare Information Systems with SAS
- **Software Engineering Fundamentals and Requirements** - Applied Agile methodology and use case/class diagrams to facilitate and plan group projects
- *Academic Project (Object Oriented Programming in C#)* – designed a software program to define movies in different theatres and assigned, designated, and prohibited the appropriate attributes
- *Academic Project (Javascript Web Design)* – designed a web page equipped with a weather API, and design elements, to obtain the current weather of a queried city

Bachelor of Science - Life Science (Human Biology, Environmental Science)   Sept. 2015 - May 2020
University of Toronto (Scarborough Campus) Toronto, ON

Relevant Experience:

Data Analyst Intern (P/T)   Nuage Insights, North York, ON   April 2022 - Present
- Built an understanding of GitHub and published several Python projects (ongoing and completed)
- Designed an imaginary SQL store which used relational databases to organize tables based on orders, customers, products, etc.
- Used Python pandas to read, describe, and manipulate data in table format (created/deleted/selected columns)
- Created a FastAPI for an imaginary store and defined HTTP request methods with get, create, update, delete

Additional Experience:

Server/Bartender and Shift Leader   TORA, North York, ON   Jan. 2019 - June 2022
- Delegated duties to staff while handling managerial work such as inventory management, conflict resolution, and administrative daily report writing and data entry in Microsoft Excel
- Facilitated the launch of the restaurant as part of the opening staff and trained new team members
- Thoroughly memorized and communicated restaurant concepts to multiple guests in addition to taking/making beverage orders, handling table availability, and providing top customer service in a fast-paced environment

Teaching Assistant   Canada Imperial Elite Academy, North York, ON   Mar. 2018 - Mar. 2019
- Presented and taught lessons for advanced functions, data management, and biology classes
- Prepared and organized course content into a structured curriculum which included creating lesson plans and notes, quizzes/tests, assignments, and homework questions
- Provided accessible hours to answer students' questions about subject matter and adequately clear any confusion about course material