

Stefan Vercillo

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EDUCATION

UNIVERSITY OF WATERLOO

BASC COMPUTER ENGINEERING

Third Year Student
Expected Apr. 2023

MICHAEL POWER

Recorded 94% HS average in IB
Grad. 2018

SKILLS

PROGRAMMING

2-4+ years of experience :

• Java • Python • C++ • SQL
• JavaScript • Git • HTML • CSS


1-2 years of experience :

• Flask • Spring • Laravel
• Puppeteer • Selenium • C • C#
• React • Vue.js • Docker • PHP

SOFT SKILLS

- ENTP personality type
- Creative Problem Solver
- Confident Communicator
- Ability to Learn Quickly
- Practiced Leadership Skills

EXTRACURRICULAR

- Semi-Pro  North-Miss League One
- Varsity Soccer at UW
- Piano Performance (level 10 RCM)
- Self-Business Teaching Swimming
- Programming/ Math Tutor

LINKS

Github: github.com/svercillo

LinkedIn: linkedin.com/in/stefan-vercillo

Portfolio: stefanvercillo.com

COURSE WORK

- Systems Programming & Concurrency
- Data Structures & Algorithms
- Probability Theory & Statistics

EXPERIENCE

SOFTWARE / DATA ENGINEER | TD BANK

May-September 2020 Toronto

- Enhanced performance of existing **ETL** processes and **SQL** queries for reporting and analytic purposes using **SQL server** relational databases
- Experienced in analyzing anomalies in tables and statistical reports to debug faulty streamlines in stored **SQL** procedures
- Initiated building and optimization of **big data** pipelines for structured and unstructured data in analytical models
- Automated **C#** and **Python** scripts to load and transform data in **ETLs**

LEAD SOFTWARE DEVELOPER | SKYVIEW SUITES

August-January 2020 Toronto

- Created ~ **30%** of **PHP Laravel** web app resulting in the automation of numerous business processes such as accounting, statistical reporting and client management, in addition to working on **Vue.js** PWA and **Python** project
- Constructed dynamic user interfaces, creatively displaying **API** data
- Proposed and facilitated the implementation of enterprise engineering solutions like **CI** with **Jenkins** builds and unit tests
- Communicated technically complex issues to partners, understanding business implications of software solutions in daily meetings and documentation

SOFTWARE DEV / DATA ANALYST | FORD MOTOR COMPANY

January-May 2019 Waterloo

- Developed web-application in **Java**; interfaced **REST APIs** in **Spring/MVC** framework familiarizing myself with modern development
- Strived in fast-paced **Agile** (scrum) workflow; skilled with **Git** version control
- Designed and implemented UI using **HTML**, **CSS**, **JavaScript** and associated frameworks **JQuery**, **Knockout**, **Require.js** and **Bootstrap**
- Acquired a proficiency using **SQL Server** and **jOOQ** Object Oriented Querying, as well as modifying patch scripts

PROJECTS

PATH FINDING VISUALIZATION | PERSONAL PROJECT

- Utilized heuristic guided **A-Star** algorithm to find the shortest path between airports with data pulled from different **APIs**
- Creatively visualized resource intensive **JavaScript** animations to optimize performance with **concurrent** programming
- Hosted on: stefanvercillo.com

AI REAL ESTATE EVALUATION | PERSONAL PROJECT

- Created web scraper to fill **Postgres** DB with over **14,000** rows of real estate and geolocal data using **Puppeteer**
- Preprocessed data and created an AI model to predict the current value of real estate in Toronto using **30+** variable **MLP** regression

HACK THE NORTH | GROUP CODING COMPETITION

August 2019- Current Waterloo

- Collaboratively programmed a **Flask-Py** budgeting app using **TD Davinci API**