


Francis Victa

Software Developer / Web Developer

A solution-oriented developer equipped with the patience and grit in facing the toughest problems. Motivated and driven by the desire to make an impact to the world. Passionate about technology, and embraces the challenges of working as a developer. Not afraid to fail, and will go the extra mile to achieve greater things.

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SUMMARY OF EXPERIENCE

- ✓ 3+ years of programming experience (software and web development)
- ✓ 3+ years of experience as a data analyst
- ✓ 2+ years of experience in customer technical support

TECHNICAL SKILLS

- ✓ **Programming and Web Development Tools:** JavaScript, Python, PHP, HTML5, CSS3, Bootstrap, Node.js, React, AngularJS, Typescript, Java, C#, ASP.NET, Android Studio, VBA for Excel
- ✓ **Database:** SQL, NoSQL, Postman
- ✓ **Architecture:** Object Oriented Programming, MVC framework, RESTful API
- ✓ **Data Analysis and Machine Learning:** Python, Numpy, Pandas, Scikit-Learn, Keras, Tableau, Excel, Access
- ✓ **General:** Git Version Control and MS Office Suite

RELEVANT PROJECTS

- Capstone Project: Gym Information and Tracking System (Angular, Node, Express, Monggo)
 - Developed a full-stack (front-end UI, back-end server, database) web application that manages data and information within a business entity (CRUD functionalities)
 - Implemented various technologies via Node Package Manager (such as QR code scanner, JWT web tokens, etc) which improved the overall application by making business processes run smoother
 - Mainly worked on developing back-end APIs using NodeJS to access MonggoDB collections
- Chat Application and Admin Management (React, JavaScript, Socket.io, Node, MonggoDB)
 - Developed a fun chat application with various chat rooms
 - Created an admin login using React to manage data with CRUD functionality
- Coronavirus Digital Agent (Python, Keras, Flask, Pandas, Numpy)
 - A digital agent that answers questions about the Coronavirus
 - Trained by a Densely Connected Neural Network
 - Use BeautifulSoup to update the site with current global data
 - Created Backend API Endpoint for HTML GET Requests
- GPS Route Tracker (Java, Android Studio, SQLite)
 - Developed an android application that tracks a route taken using GPS and draws it to a google map API
- College Application Regression and Classification (Python, scikit-learn, Pandas, Keras)
 - Used various supervised learning models such as Linear Regression, Logistic Regression, KNN, SVM and Decision Tree Classifiers to predict outcomes
 - Pandas and MS Excel used for data preparation
 - Matplotlib used for data visualization

- Casino game (JavaScript, HTML, CSS)
 - Used mathematical probabilities and basic casino game mechanics
- Memory Sequence game (JavaScript, HTML, CSS)
 - Game to improve individual short-term memory

EDUCATION

Computer Programmer Analyst (Advanced Diploma)

2018 - 2020

George Brown College, Toronto, ON

Dean's List (Cumulative GPA: **3.98**)

Bachelor of Science in Management Engineering (Honours Program)

2008 - 2012

Ateneo de Manila University, Manila, Philippines (*WES accredited, Top Philippine University*)

Financial Aid Scholar

Dean's List

WORK EXPERIENCE

Marketing Database Support

2019 - 2020

George Brown College, Toronto

- Prepared/Cleaned marketing data and liaised with the team to carry out suitable analysis
- Designed and automated dashboards with data visualizations to deliver key department insights using MS Access and Tableau which reduced manual work by 75%
- Created SQL scripts to extract and manipulate data from database to meet client's requests
- Used machine learning models (Python, Pandas, SkLearn) to discover and predict which marketing events led to more applications

Project Analyst/Tier-1 Technical Support

2015 - 2017

[24]7.ai, Toronto

- Prepared daily client reports which included analysis of trends and performance data
- Designed and developed workflow macros (using Visual Basic for Excel) which increased overall team efficiency by at least 50%, measured by work hours logged per project per employee (This saved the company a lot of time and money)
- Created numerous internal and external client reporting templates which replaced the older and outdated versions
- Handled level 1 client issues over the phone; created escalation tickets for level 2 client tech support
- Recipient of quarterly Bravo Award for showing great performance and leadership in developing and implementing process improvement methods
- Provided MS Excel training workshops to peers

Production Operator/Production Specialist

2013 - 2015

Woodbridge Foam Corporation, Woodbridge, Vaughan

- Sorted complex data, created data spreadsheets, prepared reports, and organized files and records
- Improved the production line scheduling process by designing an application in MS Excel which improved efficiency of production line by more than 10% (measured in reduction of product line cancellations)
- Created spreadsheet to monitor Work in Process Inventory products running on schedule

Floor/Backroom Associate

January – June 2013

Target Canada, Brampton Shopper's World

- Worked with Target's in-house software systems, updating merchandise inventory, etc.
- Analyzed and organized the backroom to be able to efficiently work with the whole system of pulling and pushing merchandise on the sales floor
- Recipient of "Team Member of the Month" award