

Timothius Prajogi

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EDUCATION

University of Toronto | Expected Graduation Year: 2026 | Computer Science Specialist; Minor in Statistics

RELEVANT QUALIFICATIONS

TECHNICAL SKILLS:

- Experience in front-end development: React and ReactNative with JavaScript, Spring Boot
- Experience in back-end development: Django with Python, Java
- Familiar with deployment tools: Docker, Heroku
- Proficiency in database languages SQL: MySQL, MS SQL, PostgreSQL, familiar with MongoDB
- Experience using unit testing frameworks, most notably JUnit for Java, Jest for JS, PyTest for Python
- Strong understanding of clean architecture and object-oriented programming
- Proficient in version control tools through Git and GitHub repositories
- Additional languages: R, C, C++

SOFT SKILLS:

- Strong communication skills, collaborative and communicative with anyone I work with
- Strong drive for solving problems, not afraid to use any resource at hand to achieve goals; creative thinker who is open to any ideas
- Unwavering under time constraints, can balance and prioritize schedules and tasks

PROJECTS

Thrive - Bellwoods Strategic Capital 2023

Contract

- A mobile application geared towards improving the mental health of users through mental exercise
- Full-stack developer working with Django, ReactNative, and PostgreSQL
- Composed API calls from the front-end to Django's REST API framework
- Supported DevOps team with the deployment of the backend on Heroku and front-end deployment using Expo
- Authored a refined front-end testing suite using Jest
- Coordinated with the partner, Bellwoods, to manage expectations and update on their requested features and requirements

Restaurant Review Application 2022

Course Project

- Large group project implemented in Java managed using Git and Github.
- Prioritizing catering towards a user point of view, solving backend complexities as they arose, while maintaining clean architecture throughout
- Developed with over 90% test coverage using JUnit framework for testing
- Optimized efficiency in the storage of the data in Postgres, identified critical versus disposable information
- Applied presentation skills, describing our project as if it were a product to a client

Expedia Data Analysis 2021

Course Project

- Analyzed dataset provided by Expedia and applied techniques learned in lecture to derive useful insights to optimize suggestions and increase income
- Applied simulation and testing methods: hypothesis testing and classification trees
- Conveyed findings through accurate representations based on research
- Employed extensive methods in R to compile and operate on the data given

Mini Chess AI 2021

Course Project

- Developed and analyzed various aspects of a mini-chess AI in Python
- Applied knowledge of OOP and foundations of clean and logical programming
- Implemented simple machine learning algorithms namely decision tree classifiers

Ticketing System

2022-

Personal Project

- Took initiative as treasurer to develop an ordering and ticketing system to replace the outdated pen and paper system.
- Investigated various methods that could be applied to my application, learning new software such as Docker to containerize web apps and host databases, and SQL for data analysis.
- Constructed in Java using Spring Boot
- Acquired proficiency in SQL, collated, extracted and manipulated databases as necessary for the functionality of the program
- Utilized an API for external connection to the Discord Bot

WORK EXPERIENCE

Senior Partner

2021 – Present

Real Fruit Bubble Tea | Toronto, ON

- Work independently as well as collaborate cohesively with my coworkers to complete orders efficiently and quickly
- Adapt to situations as they arise; learn quickly so as to not fall behind
- Delegate and organize tasks to keep the store operating
- Precisely count and report cash to measure the store's profits with great attention to detail

Treasurer/Volunteer

2019 – Present

Community in Action, St.Thomas More | Toronto, ON

- Successfully lead, collaborate and communicate with my peers to reach fundraising goals, meet event deadlines and advance ideas
- Analyze the project at hand and identify what needs to be done first; solve any problems that arise in a timely fashion
- Both expand on and present new ideas, are able to maintain relationships despite disagreement, and present an idea that is acceptable to the team

Deputy Returning Officer

2022

Elections Ontario | Toronto, ON

- Communicate effectively with a variety of citizens from all different backgrounds, without causing issues or bias for a fair and credible election
- Accurately follow protocols and spot points of failure to ensure all scrutineers' approval

ADDITIONAL

RELEVANT COURSES:

- Introduction to Machine Learning: KNN, decision trees, neural networks, reinforcement learning with: PyTorch, Sklearn, Numpy, Pandas
- Introduction to Database Management Systems: MySQL, Relational algebra,
- Operating Systems: Pintos, C, Threaded programming