



Anant Ojha

BSc. Computer Science

Self-driven and motivated Software Development Engineer. Demonstrated ability in implementing, testing and demonstrating software applications. Solid understanding of Object-Oriented Design Principles, Product Development Life Cycle and Version Control.

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EDUCATION

Computer Science: Software Engineering Stream

Carleton University

Graduating in June of 2022

Courses

- Data Structures & Algorithms
- Programming Paradigms
- Mobile Applications
- Database Management Systems
- Software Economy and Project Management
- Operating Systems
- Neural Networks
- Software Quality Assurance
- Real-Time Concurrent Systems
- Object-Oriented Software Engineering

WORK EXPERIENCE

Teaching Assistant (TA)

Carleton University

01/2022 - 04/2022

Ottawa, Ontario

Tasks:

- Course: COMP3004 - Object-Oriented Software Engineering (3rd year)
- Held weekly office hours and created tutorials videos & sample code
- Graded assignments, tests and term projects with individual feedback

QA Automation Engineer - Intern

Finastra

09/2020 - 08/2021

Toronto, Ontario

Job Summary:

- Member of Cross-Functional Feature team as a QA Engineer
- Tested web applications for Government of Canada's Integrated Student Loans System. (Two million plus active user accounts)
- Drafted use-case scenarios, test cases and manual verification steps
- Tested functionality of backend APIs with Postman. Wrote automation tests with Selenium Framework (UI, Integration, E2E and Regression).
- Created Grafana dashboard to monitor automation test results. Service hook integration with Azure DevOp to update charts after deployment.
- Presented functionality developed by the team during Sprint Demos

Information Technology Analyst - Intern

Manulife Financial

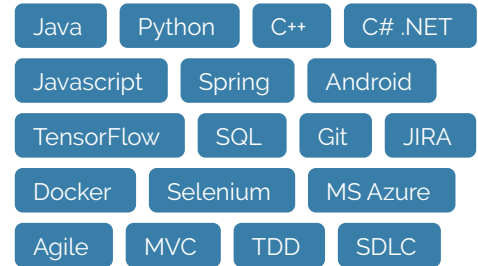
05/2020 - 08/2020

Toronto, Ontario

Job Summary:

- Supported senior engineers with ongoing IT development projects
- Assisted in maintaining user and system requirements documentation
- Participated in development of RESTful Microservices. Worked with ReactJs, Spring Boot, Docker Containers, and Windows SQL Servers.
- Extended Functionality of Internal Websites used by IT Department

SKILLS



PERSONAL PROJECTS

JobArc System (Java, SQL)

- Honours Project: Online Job Board System
- Application Stack consisting of Android UI + Spring REST Api + MySQL Database, localhost connection

Tile-Rummy Multiplayer Game (Java)

- Multiplayer Rummikub board game developed using TDD principles. Networked via. TCP (sockets)
- Model-based testing using UML activity diagrams. Wrote Parameterized JUnit & Cucumber Tests

Elevator System Simulator (Java)

- Distributed Elevator System built with Java threads. Implemented thread synchronization & scheduling
- UDP inter-process socket communication between Floor, Scheduler and Elevator Subsystems.

Android YouTube Player (Java)

- Android app with embedded YouTube player. Search & watch YouTube videos (Google APIs)

AI Smile Detector (Python)

- Real-Time Smile Detection of video feed using Convolution Neural Networks (Keras, opencv)
- CNN model trained with over 20,000 images

SCAPES COMPILER (C++, Qt Framework)

- A low-level programming language (SCAPES), similar to x86 Assembly Code
- Implemented small-scale compiler for compiling and executing programs written in SCAPES syntax

LANGUAGES

English

Native or Bilingual Proficiency

INTERESTS

