

Amaan Vania

647-200-9166 | amaanv@hotmail.com | [linkedin.com/in/amaanvania](https://www.linkedin.com/in/amaanvania) | github.com/amaanvania

EDUCATION

York University

Bachelor of Engineering in Software Engineering; GPA: 3.5/4.0

Toronto, ON

Sept. 2016 – Apr. 2021

EXPERIENCE

Software Developer

May 2022 – Present

Self-Employed

Toronto, ON

- Developed machine learning models in Python and TensorFlow to identify and capitalize on high-value opportunities in sports market
- Processed and analyzed **over 2,000 daily arbitrage opportunities**, resulting in more than 1,300 profitable wagers and consistently high returns

Software Developer

Sept. 2020 – Apr. 2021

YuRide

Toronto, ON

- Spearheaded the development of a reward and loyalty system for the YuRide ridesharing application using Spring Boot and MySQL, boosting user engagement by 60%
- Consulted with 10+ key stakeholders and 20+ students to identify feasible incentives
- Integrated 50+ API endpoints and 15+ incentives currently supported by the ridesharing application

Automation Developer

June 2017 – Aug. 2020

Self-Employed

Toronto, ON

- Devised 300+ Java and Python programs to automate tasks for 60+ clients
- Collaborated with clients to identify bottlenecks in workflows, delivering tailored automation tools that increased efficiency and reduced error rates by over 95%

PROJECTS

VBot | Java, Java ASM, Amazon EC2, Google Compute Engine

Jan. 2022 – June 2022

- Developed an automation client which built upon the RuneWild Java game client, providing an API and additional context to develop and execute automation scripts
- Reverse-engineered obfuscated bytecode using Java ASM, systematically analyzing patterns to identify and access more than 100 key variables within the client code
- Deployed the automation client on 10+ virtual machines using Amazon EC2 and Google Compute Engine, optimizing the environment for high-performance automation tasks

TalkBox | Java, JavaFX

Jan. 2019 – Apr. 2019

- Led a team of 3 in the development of the TalkBox application, using JavaFX, which enables speech-impaired individuals to communicate through personalized audio buttons
- Designed and implemented an innovative feature that dynamically generated images and audio files from keywords, enabling users to create custom buttons 10x faster
- Achieved top distinction among 16 project teams for exceptional functionality and usability

Tussle | Java, XoBot API

June 2018 – Sept. 2018

- Implemented a virtual robot in Java using the XoBot API which engaged in combat with 5,000+ real players in a competitive Player vs Player environment on the game ikov.io
- Improved kill-to-death ratio by 250% through real-time strategy optimizations, earning \$2,500+ in two months

TECHNICAL SKILLS

Languages: Java, Python, C/C++, SQL (Postgres, MySQL), JavaScript, HTML/CSS

Frameworks: TensorFlow, Spring Boot, React, Flask, JUnit

Developer Tools: Git, Docker, Amazon AWS, Google Cloud Platform, VS Code, PyCharm, IntelliJ, Eclipse