

AVA OVEISI

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TECHNICAL SKILLS

Languages: Java, C, C#, JavaScript, Python, SQL

Tools/Frameworks: ReactJS, Flask, Git, GitHub Actions, Docker, Kubernetes, Springboot, Unix, Selenium, Ranorex

EDUCATION

University of Toronto



Sept 2019 – Present

HBSc Candidate – Computer Science Specialist: Software Engineering Stream (Co-op) – **cGPA:** 3.78/4.0

EXPERIENCE

Software Developer Intern | Ceridian

Jan – April 2023

- Contributed to the initial design choices and implementation for transitioning from a monolithic test engine orchestration to a choreography in a **microservices architecture** in the test platform services team
- Implemented a **Kubernetes hosted service** for subscribing to pub/sub frameworks, serving as a communication point between our services and as a job triggering mechanism which manages test execution and test video recording requests 
- Implemented an end-to-end workflow for **video recording tests** running on Selenium Grid in a MS architecture, enabling Test Engineers in hundreds of teams to review failed UI tests without locally re-running them (flowchart: )
- Learned and applied Ceridian's MS architecture, including **request/response lifecycle** across layers
- Created CRUD API endpoints in C# within an MVC architecture
- Defined feature specification and presented product backlog items for features to the team
- Developed frontend components and logic for UI CRUD operations along with **integration tests** with Cypress


Software Developer Intern | African Impact Initiative

(Work-Study/Part-time) Oct – Dec 2022


- Main frontend developer building an MVP web app for young African start-ups using ReactJS
- Produced full landing and login page components by translating UI/UX design wireframes into code

Software Developer in Test Intern | Seequent

May 2021 – Jan 2022

- Developed a **CI/CD pipeline** with GitHub Actions to automate the execution of Selenium E2E tests, reducing manual runs for 20+ QAs
- Created/debugged automated **C# GUI tests** with Ranorex and **NUnit tests** for desktop applications, extending testing coverage by 8%
- Proposed and implemented a **large-scale refactoring** of UI tests, reducing more than 2.5k methods and 150k lines of code
- Developed a reporting system for QA as a single-page **ReactJS dashboard** for real-time visibility of test execution statuses and automation coverage, estimated to save significant amount of manual reporting during regression 

PROJECTS

 **Amorr** – Web App for on-demand Home Services

ReactJS, Python (Flask), SQL

- As part of a team in a software course, developed a **full-stack React web app** to connect users to beauty service professionals
- Worked closely with stakeholders following a scrum model to build 20+ features
- Actively participated in developing a 3-tier architecture that provided separation of database, business, and client logic

 **MyBnB** – MVC for Mock AirBnB

Java Springboot, MySQL, Swagger UI

- Implemented database and major backend business requirements for a Database course project, mocking the AirBnB platform
- Architected and implemented database schema, added transactions and stored procedures to ensure atomicity

RESEARCH

Research Scholar | Medical Computer Vision and Robotics (MEDCVR)

Jan – April 2023

- Creating a graphics pipeline to visualize skin lesion and skin flap procedures (OpenGL/Blender)

Research Scholar | Data Science Institute at University of Toronto (DSI)

May – Aug 2022

- Investigated NLP approaches of beam search and noise introduction to generate high-quality and diverse summaries for code snippets