

Stefan Todorovic

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EDUCATION

Computer Engineering

Bachelor of Applied Science, GPA: 3.7/4

University of Ottawa

Expected Graduation: April 2024

Engineering Entrepreneurship and Management

Specialization, GPA: 3.7/4

University of Ottawa

Expected Graduation: April 2024

EXPERIENCE

Quality Assurance Automation Developer

SHOEBOX Audiometry Ltd.

May 2022 – Present

Ottawa, Canada

- Converted Python testing architecture to **JavaScript using the WebdriverIO framework**
- Integrated **Allure Test Reporting** into Automated Testing Framework
- Updated testing infrastructure to support latest iPad hardware and software
- Performed manual and automated regression testing for major iOS app release

Quality Assurance Automation Developer

SHOEBOX Audiometry Ltd.

September 2021 – April 2022

Ottawa, Canada

- Added web-portal support to previously developed automation platform via **Selenium**
- Configured nightly build verification using **docker** containers via Bitrise and Jenkins
- **Analyzed network traffic** using Charles Proxy to provide developers with additional feedback
- Implemented complete end-to-end test scripts, replicating customer on-boarding and day to day workflow
- Wrote documentation on regression runs for certification record-keeping

Quality Assurance Automation Intern

SHOEBOX Audiometry Ltd.

May 2021 – September 2021

Ottawa, Canada

- Created and maintained Python-based **Appium framework** for complete app control
- Coordinated and developed test scenarios with app development team
- Performed robustness, stress-testing with output verification
- Analyzed customer issue reports and created automated scripts to replicate conditions

EXTRACURRICULARS

IEEE uOttawa Student Branch | Vice President of Academic Affairs

May 2022 - Present

- Responsible for maintaining the bridge between EECS students and faculty

Hack the Hill | Infrastructure Team Lead

September 2022 - Present

- Developed an information and ticket management add-on for the Discord platform
- Created a front-end user interface in **React JS** to allow easy visualization of data generated from the Discord
- Connected the Discord platform add-on and React front end to a Google **real-time database** for data portability

Terra DeFi Hackathon | Technical Team Co-Lead & Hackathon Organizer

March 2022

- Technical Team Co-Lead for North America's Largest University Web3 Hackathon

Ontario Engineering Competition | Senior Design

January 2022

- **Placed first** in faculty wide Senior Design competition earning the opportunity to represent University of Ottawa
- Successfully completed autonomous navigation and package delivery tasks using an Arduino micro-controller
- Received praise from judges for efficiency of navigation system

Kelpie Robotics | Chief Technical Officer

September 2021 – Present

- **Identified software requirements** from the competition manual, and created actionable tasks
- Developed **machine vision**, machine learning for autonomous navigation and object identification tasks
- Developed two-way **communication protocol over TCP** with error identification and correction
- Managed version-control, and Kanban board to ensure completion before competition deadlines
- Consulted with external advisors on software optimisation and architecture

TECHNICAL SKILLS

Languages: C/C++, HTML/CSS, Java, JavaScript, Python

Frameworks: Appium, E2E Testing, Material-UI, Node.js, React, Selenium, Unit Testing, WebDriver IO

Developer Tools: Android Studio, Bitrise, Docker, Eclipse, Firebase, Git, Jenkins, Visual Studio, Xcode