

# Matthew Otchet

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## EDUCATION

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### Western University

*Bachelor of Science in Computer Science*  
3.75 GPA - Deans Honours List

London, ON

Sep. 2022 – Apr. 2025

## EXPERIENCE

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### Software Developer Intern

*General Dynamics Land Systems - Canada*

May 2024 – Aug. 2024

London, ON

- Created multi-stage Docker builds, reducing image size by over 90% through layering and dependency management
- Developed a fully functional API to interface with mounted vetronics, involving long and short band radios
- Created a Qt front-end interface for monitoring and controlling an integrated mast using DDS protocol
- Designed a test suite for vehicle electronics using ICD documentation, ensuring compliance with specifications

### Software Test Engineering Intern

*WillowTree*

May 2023 – Aug. 2023

Vancouver, BC

- Leveraged Kotlin with Jetpack Compose to create UI tests, enhancing system reliability and efficiency
- Crafted extensive test plans for tvOS, ensuring robust performance across diverse environments
- Integrated screenshot testing into CI pipeline, automating visual change verification in merge requests

### Security Engineer Intern

*PartnerStack*

Jan. 2022 – Dec. 2022

Toronto, ON

- Led the implementation of Terraform security monitoring, significantly improving visibility into container workloads, audit logs, and vulnerabilities
- Directed SOC 2 audit preparations, closely collaborating with the Chief Audit Executive to design audit procedure
- Led the successful implementation of OKTA SSO company-wide, resulting in zero growth in IT ticket intake while smoothly onboarding 10+ new staff bi-weekly

### QA Automation Engineer Intern

*Ezra AI*

May 2021 – Aug. 2021

Toronto, ON

- Led the development of a comprehensive back-end automation test suite in C# and implemented proven testing methodologies to streamline the testing process, replacing tedious manual testing
- Validated the functionality of web APIs by managing and sending data via HTTP using C# unit test framework
- Utilized Azure Data Studio and Postman to manually test the web applications to ensure that the automated test cases were functioning correctly

### Data Analyst Intern

*Bespoke Metrics*

Sep. 2020 – Dec. 2020

Toronto, ON

- Optimized the weekly invoicing process by developing queries in SQL to produce reports for the accounting team
- Coordinated a data clean-up effort to ensure registration data was accurate and complete, leading to the correction of 200+ data entries

## PROJECTS

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### Interactive Campus Map | *Java, JUnit, Swing, Jira, Git*

Feb. 2023

- Created an application in Java that utilizes PDF floor plans and image processing techniques to allow users to search for rooms, points of interest, and personal landmarks in three buildings on the Western University campus

### Clothing Resale Business | *instagram.com/northern.vtg*

May 2018 – Present

- Created a vintage clothing resale business with over 150+ sales and \$5000 profit using various social media platforms and pop-up events

## TECHNICAL SKILLS

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**Languages:** Java, Python, C++, C, C#, Swift, Kotlin, SQL, HTML/CSS

**Frameworks:** SwiftUI, Jetpack Compose, JUnit, XCTest

**Developer Tools:** Docker, Terraform, RTI Tooling, Atlassian Suite, Git, GCP

**Project Management & Agile Methodologies:** Agile, Scrum, Kanban, Sprint Planning, Stand-ups, Retrospectives

**Productivity Tools:** Microsoft Office (Outlook, Word, Excel, PowerPoint)