

Henry A. Odunze

BASc. Electrical Engineering

☎ (+1) 647-687-6951 | ✉ odunzeamanze@gmail.com | 🌐 <https://henryodunze.github.io>

Education

University of Waterloo

Waterloo, ON

BACHELOR OF APPLIED SCIENCE IN ELECTRICAL ENGINEERING

Sep 2015 - June 2020

- Algorithms and Data Structures, Database Systems, Control Systems, RF and Microwave Circuits, Management Science
- Certificates:** Azure Fundamentals, Azure Developer Associate

Skills

Languages/Frameworks C, ASP.NET, Python, Java, JavaScript, MySQL, PostgreSQL Powershell, Redis, Kafka, SpecFlow

Development Platforms Git, Octopus, Azure Portal, Azure DevOps, Docker, Dynamics 365, Power Platform, MongoDB, Postman

Experience

Telus Health (formerly LifeWorks)

Toronto, ON

AUTOMATION ENGINEER

Dec 2020 - Present

- Increased test execution efficiency by 20% through the development of a **.NET** automation framework using **C-Sharp** within **Specflow** resulting in a quicker feedback loop for functional and user-acceptance testing
- Developed **API/Web services** pre-request scripts with **Postman** and **Nodejs** for **30+** daily seamless event interactions between **Dynamics 365** and mobile platforms
- Integrated **Elastic Reindex** and automated scripts in deployment pipelines using **Octopus Deploy** and **Azure DevOps** enabling **50+** test runs per deployment
- Volunteered active **Data Steward** member improving data management & governance significantly with the utilization of **Azure Monitor** and **Azure Advisor** for enhanced planning and monitoring

Cognitive Systems Corporation

Waterloo, ON

DSP ALGORITHM ENGINEER (CO-OP)

Sep 2019 - Dec 2019

- Revamped a zone detection feature for **WiFi motion** algorithm, using **Python** and **NumPy** library, to enhance its prediction accuracy to the nearest decimeter radius within a region-under-test
- Remodelled simulation of WiFi link throughput degradation with **Python** scripts on **Linux** system to reduce validation time by 30%
- Managed scheduled maintenance of the motion detection algorithm and monitoring with **Trello** and **Grafana** applications

PRGX

Mississauga, ON

JUNIOR SQL DEVELOPER (CO-OP)

Sep 2018 - Dec 2018

- Expedited data analysis by 25% through automation of audit data ETL processes on **MySQL** and **Hadoop**, facilitating quicker informed decision-making for major enterprises such as Walmart and Sobeys
- Managed multiple data resources and handled local client data loading with **Hercules** system on **AS/400** architecture
- Administered over **1000000+** backlogged email extraction and conversions from **PST** to **EML** formats enabling faster evaluation for auditing and claims appraisals

AudienceView Ticketing Corporation

Toronto, ON

SOFTWARE AUTOMATION DEVELOPER (CO-OP)

May 2017 - Aug 2017

- Enhanced e-ticketing management efficiency by 15% with the development of **JS** scripts on **Selenium Webdriver**, enabling smoother event handling within a CMS environment
- Refined web UI automation for CMS platforms, with **Webdriver API** handlers, expanding its browser automation capabilities to Firefox and Safari
- Created an automation framework for the CMS solution using **JavaScript** and **NodeJS** with **HTML5** for web browser elements

eSolutions Group

Waterloo, ON

SOFTWARE DEVELOPER (CO-OP)

Sep 2016 - Dec 2016

- Structured page templates for Cambridge City Services and developed test cases, with **Testlodge**, to validate diverse user interactions
- Developed MS **Powershell** scripts and integrated **Pester** to enhance quality management on by 35%, resulting in a more streamlined **CI/CD** process for web solutions
- Designed website models and CMS site map templates with **JavaScript** and **i:Create**, ensuring robustness and reliability for future design projects