

# RODRIGO WONG MAC

wongmacr@gmail.com | (416) 268-3685 | [GitHub](#) | [Personal Website](#) | [LinkedIn](#)

## WORK EXPERIENCE

---

### Software Developer

Sep 2025 – Present

Powered By ARC

Mississauga, ON

- Develop and maintain full-stack web applications using **Laravel (MVC)**, **Vue.js**, and **PostgreSQL**
- Built scalable subscription and affiliate management with Laravel Cashier and Stripe API
- Integrated Gemini and OpenAI via Prism for robust API communication and adaptive workflows
- Utilized **Redis** for caching and performance optimization

### Software Engineer (Co-op & Junior)

May 2024 – Aug 2025

BASL Inc.

Mississauga, ON

- Develop and maintain digital real estate solutions using **Laravel (MVC)**, **Vue.js**, and **MySQL**
- Integrated Google Ads and Meta Marketing APIs to automate and manage ad campaigns through queues and event-driven systems
- Assisted in developing and upkeep of a CI/CD pipeline in **Bitbucket Pipelines**
- **Wrote 500+ PHPUnit test cases** to ensure robust functionality and reliability

### Research Assistant – AI & Software Development

Feb 2025 – Apr 2025

Mohawk College

Hamilton, ON

- Integrated **LLM models and LangChain** for AI-driven ESA report generation
- Developed and optimized web applications using **Flask**, **React.js**, and **PostgreSQL**
- Design and integrate APIs while maintaining documentation using Swagger
- Deployed applications on **Ubuntu servers** by configuring NGINX and managing SSL certificates

### Full-Stack Developer

Oct 2023 – Apr 2024

Mohawk College

Hamilton, ON

- Spearheaded an AI-powered handwriting transcription system leveraging Google Vision API
- Wrote **PowerShell automation scripts** to streamline grading processes based on unit test results
- Designed dynamically generated feedback webpages using **HTML/CSS**, **JavaScript**, and **ChartJS**
- Developed **RESTful APIs** utilizing **XAMPP stack**

## TECHNICAL SKILLS

---

- **Languages:** PHP, TypeScript, JavaScript, Python, .NET, Java, PowerShell, HTML/CSS
- **Databases:** MySQL, PostgreSQL, MS SQL, MongoDB, GraphQL, Redis
- **Tools/Frameworks:** Laravel, Vue, React, React Native, Node, Express, Flask, .NET Core, Spring, Docker, Selenium, Jenkins, Git, Jira, Azure, AWS

## EDUCATION

---

### Advanced College Diploma – Software Development

Sep 2022 – Dec 2025

Mohawk College

Hamilton, ON

- **GPA: 93.2%**
- **Microsoft Certified:** Azure Fundamentals (October 2023)

### Bachelor of Commerce (Honours)

Sep 2016 – Apr 2021

McMaster University

Hamilton, ON