RODRIGO WONG MAC

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WORK EXPERIENCE

Research Assistant – AI & Software Development Feb 2025 – Present
Mohawk College *Hamilton, ON*

- Implement LLM models into software applications to drive AI-powered features
- Develop and optimize web applications using **Django, Flask, and React.js**
- Design and integrate APIs, ensuring smooth communication between systems
- Assist in the design, testing, and deployment processes

Junior Software Engineer Jan 2025 – Present
BASL Inc. *Mississauga, ON*

- Develop digital real estate solutions using MVC pattern with **Laravel, Vue.js and MariaDB**
- Implemented semantic search with Meilisearch, providing full coverage of view routes
- Integrated third-party APIs for authentication, data synchronization, and automation
- Led the development of a web SDK enabling integration of system services into external platforms

Software Engineer Co-op May 2024 – Dec 2024
BASL Inc. *Mississauga, ON*

- Developed an optimized automated ad publishing system leveraging Meta and Google ad platforms
- Spearheaded an automated social media campaign system with Meta Graph API
- Wrote **350+ unit tests** to ensure robust functionality and reliability
- Assisted in implementing Stripe for payment processing

Junior 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** and **JavaScript**
- Developed **RESTful APIs** utilizing **XAMPP stack**

TECHNICAL SKILLS

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

EDUCATION

Advanced College Diploma – Software Development (Co-Op) Sept 2022 – Present
Mohawk College Hamilton, ON

- **GPA: 92.9%**
- **Microsoft Certified:** Azure Fundamentals (October 2023)

Bachelor of Commerce (Honours) Sept 2016 – Apr 2021
McMaster University Hamilton, ON