# RODRIGO WONG MAC

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

## TECHNICAL SKILLS

- **Languages:** JavaScript, TypeScript, PHP, Java, C#, Python, PowerShell, HTML/CSS
- **Databases:** PostgreSQL, MySQL, MS SQL, MongoDB, Redis
- **Tools/Frameworks:** Node, Express, React, Vue, Laravel, Spring Boot, .NET, Flask, Git, Selenium, Postman

## WORK EXPERIENCE

**BASL Inc.**                                                                                       May 2024 – Present
*Software Engineer (Co-op)*                                                                          *Burlington, ON*
- Actively involved in full-stack development using **Vue.js and Laravel** while utilizing **TDD methodology**
- Integrated Zoom application into the BASL system by implementing **OAuth 2.0 authentication** and synchronizing data between the two platforms
- Integrated SMS and Call feature using Vonage
- Leveraged **OpenAI prompting** to provide a refined AI-assisted user experience
- Assisted in implementing **CI/CD service** using Bitbucket Pipelines

**Mohawk College**                                                                                   Oct 2023 – Apr 2024
*Junior Full-Stack Developer*                                                                         *Hamilton, ON*
- Design and developed an **AI-assisted handwriting transcription system** by leveraging **Google Vision API**
- Develop automated grading systems through **PowerShell scripts** based on results of unit tests
- Design and develop dynamically generated feedback webpages using **HTML/CSS** and **JavaScript**
- Develop **RESTful APIs** utilizing **XAMPP stack**

**Mohawk College**                                                                                   Jan 2023 – April 2024
*Programming Tutor*                                                                                   *Hamilton, ON*
- Provided academic support to JavaScript, Java, and Python courses
- Organized and held up to 5 weekly tutorial sessions of up to 33 students
- Tutored **47% to 63% of the total students**
- Participants had an average of **22% to 29% higher final grades** than the course average

## PROJECTS

**Codellab-IDE (Mohawk College – Learning Support Centre)**
*Description*: a web-based Python compiler intended to increase collaboration and participation between tutors and students for the Peer-Assisted-Study-Sessions (PASS) program at Mohawk College.
*Project URL*: *[codellab-ide-client.onrender.com](#)*
*Stack*: **MongoDB, Express.js, Node.js, React.js, PyTorch, Flask,**
- Contains a synchronized Python editor that supports live updates using **WebSocket (socket.io)**
- Features a trained **Conversation AI model (Python-Chatbot)** developed to answer Python related queries

## EDUCATION

**Mohawk College**                                                                                   Sept 2022 – Dec 2025
*Advanced College Diploma – Software Development (3rd year)*                                          *Hamilton, ON*
- Current **GPA of 93%**

**Mohawk College**                                                                                   Sept 2022 – Apr 2024
*College Diploma – Software Support*                                                                  *Hamilton, ON*
- Microsoft Certified: Azure Fundamentals (October 2023)