RODRIGO WONG MAC

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TECHNICAL SKILLS

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

WORK EXPERIENCE

BASL Inc.   May 2024 – Present
Software Engineer Intern   *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 – Apr 2024
Programming PASS 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 collaborative, web-based Python compiler designed to enhance engagement between tutors and students for the Peer-Assisted Study Session (PASS) program. This tool aims to improve the learning experience for computer science students by facilitating interactive and supportive coding sessions.
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 – Apr 2024
College Diploma – Software Support   *Hamilton, ON*

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

McMaster University   Sept 2016 – Apr 2021
Honors Bachelor of Commerce   *Hamilton, ON*