# Michael Angelo Ong Hernandez

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| Summary |

Recent computer science graduate with a strong foundation in C++, Python, and adequate proficiency with Java and Powershell. Strong interest in problem-solving, algorithm design, and creating innovative solutions to real-world challenges. Passionate about launching new projects and implementing technical solutions. Seeking an entry-level Software Engineer position at a forward-thinking, technology-driven firm.

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| Education |

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| Pamantasan ng Lungsod ng Muntinlupa | University Rd, Muntinlupa, 1772 Metro Manila |
| BS in Computer Science | (2021 – 2025) |

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| San Roque Catholic School | Mendiola, Muntinlupa, Metro Manila |
| Science, Technology, Engineering, and Mathematics (STEM) | (2013 – 2019) |

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| SKILLS |

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| * C++ | * Git |
| * Python | * Github |
| * Java | * Visual Studio Code |
| * Powershell | * Data Structures & Algorithms |

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| Projects |

**Project Template Manager**

**Link:** <https://github.com/Scrappyz/Ctemplate>

* Developed a cross-platform command-line tool in C++ to quickly initialize and configure coding projects with ease.
* Implemented a wrapper library for filesystem functions and a globbing library for file selection.
* Achieved full versatility by allowing the program to work with any programming language.

**Mouse & Keyboard Automation Tool**

**Link:** <https://github.com/Scrappyz/auto-input>

* Developed a Python application to record and playback user input.
* Implemented a ‘save record’ feature so the user can playback previous recordings.
* Implemented a speed value and loop option so the recordings can be played in different speeds.

**Github API Library for C++ Applications**

**Link:** <https://github.com/Scrappyz/GitUpdate>

* Developed a C++ library to implement a self-update feature in C++ applications using the Github REST API.
* Minimized dependencies and compilation time by benefitting from pre-installed software on various operating systems.