

# JOHN RUSSELL A. CARAGAY

## Computer Engineer

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Website-Portfolio: <https://russellcaragay.github.io/portfolio-website/>

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## EDUCATION

### Technological Institute of the Philippines – Manila

#### B.S. Computer Engineering

June 2019 – September 2023

### San Sebastian College - Recoletos de Cavite

#### STEM (Science, Technology, Engineering and Mathematics)

June 2017 - April 2019

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## WORK EXPERIENCE

### IT Support Specialist – Intern

February 2023 – April 2023

LizardBear Tasking Inc. (TaskUs)

- Utilized **Microsoft Development Toolkit (MDT)** in reimaging system units.
  - Navigated **Workspace ONE Unified Endpoint Management (UEM)** for asset management.
  - Utilized **Google Workspace** for asset management.
  - Collaborations with co-interns in diagnosing and troubleshooting software and hardware problems.
  - Installation of hardware and software components for company compliance.
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## SKILLS

- Experienced in programming languages such as **C++, Python and JavaScript**.
  - Data Analysis and Visualization using **Microsoft Excel, Google Spreadsheets, Python (NumPy, Pandas, Seaborn, and Matplotlib)**, and **SQL**.
  - Built static Front-End Projects using **HTML5, CSS3, JavaScript, and Bootstrap 5**.
  - Developed Back-End Projects using **Node.js, and Express.js**.
  - Utilized technology collaborative tools such as **Git, Figma, and Trello**.
  - Managed Database Systems using **MySQL**.
  - Built Embedded Systems using **TinkerCAD, and Arduino microcontroller**.
  - Experienced in Android Development using **Android Studio (Java, and SQLite)**.
  - Proficiency in **Microsoft Office and Google Workspace**.
  - Strong **leadership skills** by overseeing the planning, execution, and delivery of multiple projects.
  - **Adaptive** to any team environment to ensure quality tasks and outputs.
  - Recognize the importance of and prepare for **lifelong learning**.
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## SEMINARS AND TRAININGS ATTENDED

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|--|---|
| • Data Analysis with Python Certification                    | <i>freeCodeCamp: Online Bootcamp, Present</i>         |
| • SQL Intermediate   | <i>Sololearn: Online Course, June 16, 2023</i>        |
| • Introduction to SQL  | <i>Sololearn: Online Course, June 12, 2023</i>        |
| • The Complete 2023 Web Development Bootcamp                 | <i>Udemy: Online Course, On-going</i>                 |
| • Responsive Web Design                                      | <i>freeCodeCamp: Online Bootcamp, August 26, 2022</i> |
| • Full Stack Web Development with VueJS and Java Spring Boot | <i>TIP – Manila, June 29, 2022</i>                    |
| • JavaScript   | <i>Sololearn: Online Course, March 30, 2022</i>       |
| • Responsive Web Design course                               | <i>Sololearn: Online Course, December 21, 2021</i>    |
| • CSS course   | <i>Sololearn: Online Course, November 10, 2021</i>    |
| • HTML course  | <i>Sololearn: Online Course, July 11, 2021</i>        |
| • LearnX: Code to Azure                                      | <i>Microsoft Teams, May 20, 2021</i>                  |
| • LearnX: Collaboration Using VS Code Live Share and GitHub  | <i>Microsoft Teams, May 20, 2021</i>                  |
| • LearnX: Git and GitHub                                     | <i>Microsoft Teams, May 20, 2021</i>                  |
| • Python Core course   | <i>Sololearn: Online Course, July 25, 2022</i>        |
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## CERTIFICATIONS

- Solo Learn – SQL Intermediate.
- Solo Learn – Introduction to SQL.
- TIP-Manila - Full Stack Web Development with VueJS and Java Spring Boot
- ISO/IEC 27001 Information Security Associate

- Solo Learn - CSS Course.
- Solo Learn - HTML Course.
- Solo Learn - Python Core.
- Solo Learn - JavaScript.
- Solo Learn – Responsive Web Design.
- FreeCodeCamp – Responsive Web Design
- Cisco Networking Academy - CCNAv7: Introduction to Networks
- Cisco Networking Academy - CCNAv7: Switching, Routing, and Wireless Essentials
- Cisco Networking Academy - CCNAv7: Enterprise Networking, Security, and Automation
- Cisco Networking Academy - PCAP - Programming Essentials in Python.

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## ACHIEVEMENTS

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| • Consistent Graduates with High Honors Scholar                            | <i>June 2019 – June 2023</i>           |
| • President's Lister   | <i>First Semester, S.Y. 2022-2023</i>  |
| • President's Lister   | <i>Second Semester, S.Y. 2021-2022</i> |
| • President's Lister   | <i>First Semester, S.Y. 2021-2022</i>  |
| • Dean's Lister  | <i>First Semester, S.Y. 2020-2021</i>  |
| • Graduated with High Honors (SHS)   | <i>April 2019</i>                      |
| • With High Honors (Grade 12 1 <sup>st</sup> and 2 <sup>nd</sup> Semester) | <i>June 2018 - April 2019</i>          |
| • With Honors (Grade 11 1 <sup>st</sup> and 2 <sup>nd</sup> Semester)      | <i>June 2017 - April 2018</i>          |
| • Gold Medalist Graduate (JHS)   | <i>June 2016 - April 2017</i>          |

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## AFFILIATIONS AND ORGANIZATIONS

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| • <b>Computer Engineering Student Society</b> | <i>Member, 2022 – 2023</i>                        |
| • <b>Society of Scholars</b>                  | <i>Member, 2019 - 2023</i>                        |
| • <b>Scimath Circle</b>                       | <i>Member, 2017 - 2019</i>                        |
| • <b>Supreme Student Government (SSC-rDC)</b> | <i>Grade 11 Level Representative, 2017 – 2018</i> |

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## DESIGN PROJECTS COMPLETED / RESEARCH

### PROJECT MANAGER, SYSTEM ANALYST

*HawkAI: Automated Road Accident Monitoring and Alarm System using Real Time CCTV Footage and Deep Learning (2023)*

This project aims to help decrease the delay of medical response and crash details information to the authorities. The main objective of this project is to create a device that will instantly alert the monitoring team and relay the information to the responders about the accident. It relates to arrangement or adaptation of emergency signal devices with detection, alert system, and navigation on video surveillance, particularly on CCTV located at command/central station/s. A device that automatically sends an alert signal to the authorities using LED, LCD Display, Buzzer, and SMS notification if a road accident is detected in the system. The system has a trained machine learning model that can detect if a road accident has occurred.

### PROJECT MANAGER, SYSTEM ANALYST

*Online Reservation System: Supremo Barber (2021)*

This project is an Online Reservation System for Supremo Barbers - Sta. Cruz, which utilizes a database to aid in contact tracing with customer information and to benefit the owner's organization in terms of handling customers and adhering to government health regulations. The webpage displays all the information needed by customers, as well as various services that the shop has to offer. Registered customers may efficiently request appointments and accept or reschedule in case the admin rescheduled the previously requested appointment. Upon confirmation of the appointment, the system will issue a health checklist form, that is required for contact tracing. The developers have included an authorization remark which affirms that upon confirmation, the customer is aware that the information provided is protected by the Data Privacy Act of 2012

### PROJECT MANAGER

*Student Borrower System for Physics Laboratory (2019)*

This project aims to make the current borrowing system of the Physics Laboratory at San Sebastian College-Recoletos de Cavite (SSC-RdC) automated. The project has a database system with graphical user interface that allows the laboratory custodian monitor and process the information about the borrowed or returned item at the physics laboratory with greater accuracy and efficiency. Each student has their own physics identification card that contains their personal information and borrowing history. Lastly, the system also utilized QR Codes to store the identification card, and equipment information.