JULIAN **MENDOZA**

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Education

Carleton University   Sept 2017 - Apr 2022
Bachelor of Engineering – Software Engineering – Fourth Year Standing
• **Courses:** OOP in Java, Algorithms & Data Structures, Operating Systems, Concurrent Systems, Project Management, Architecture and Design, Testing and Validation, Computer Communications
• **CGPA:** 10.69/12 – Deans Honor List throughout all semesters

Skills

Languages: Java, Python 3, PHP, JavaScript, C, C++
Technologies: React.js, Express.js, Angular.js, Postgresql, Azure, Git, Travis CI, Linux, Maven, Flask
IDE: VSCode, IntelliJ, Atom, Eclipse

Employment

Carleton University   Ottawa, ON
Teaching Assistant (4 semesters) – Systems and Computer Engineering Department   Sept 2019 – Present
• Taught first year students programming fundamental, data management and image processing in Python.
• Guided second year students with their labs involving sorting algorithms and data structure design.
• Involved in teaching the concept of OOP to second year students. Explained the concepts of abstraction, encapsulation, inheritance, and polymorphism. Introduced students to UML and different design patterns.
• Marked midterms, assignments and labs while giving constructive feedback.

CRA   Ottawa, ON
IT Developer Intern (Part Time) - Technology Integration Team   Jan 2020 – Apr 2020
• Designed and implemented a web-based dashboard in Angular 8 to show statistics conducted from a sentiment analysis
   • Used JavaScript libraries to create responsive and eye-catching modules such as charts, tables, and a geographical heatmap.
   • Used RESTful APIs in Express.js to handle data transfer
• Worked in an Agile environment, participated in weekly sprints and daily scrum meetings.
• Conducted research on applications of cloud technologies – achieved a certificate on Azure fundamentals

Projects

GitHub: github.com/JulianMendoza

Survey Monkey Knock-off
Simulate software development in the real world | Agile environment | Spring Boot | JavaScript
• CI/CD pipeline using Travis CI and Heroku
• Source control using Git, use of Kanban

Discrete-Event Simulation
Performed a simulation study on a manufacturing facility | Java | Excel
• Applied the simulation process to determine how to design, implement and improve the system.
• Implemented the appropriate infrastructure: priority queues and schedulers.

Miner Guys
An application used to track the safety of Miners | Python Flask | Twilio API | Bootstrap5
• Schedule hourly calling to a worker list and log whether the user picked up
• Ability to add/remove and change the worker list through the front-end