

# Julian Mendoza

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## EDUCATION

### **Bachelor of Engineering, Software Engineering**

**2017 – Present**

*Carleton University, Ottawa, ON.*

- Third Year Standing, GPA: 10.9/12
- Attained Dean's Honor List throughout all semesters
- Year of Graduation: 2021

## EXPERIENCE

### **Carleton University – Teaching Assistant**

September 2019 – Present

- Course: Fundamentals of Engineering I (ECOR 1051)
- Supervised and mentored four different lab sessions in their first programming course
- Graded assignments, labs and exams in a course with over 1000 students

### **St. Paul High School – High School Tutor**

September 2015 – June 2017

- Designed worksheets and study guide to challenge and assess student's knowledge in mathematics and science
- Committed to the afterschool program to teach individuals twice a week

## APPLIED PROJECTS

### **Climate Change Project**

August 2019

- Conducted research on current technologies that are being used to reduce carbon emissions such as: biochar, bike filters and carbon capturing storages

### **Microsoft AI Challenge**

June 2019

- Participated with three other students to pitch the idea of having a virtual AI teacher to achieve UN's sustainable development goals in the education sector

### **Reverse Engineering Project**

December 2017

- Redesigned a simple wall socket frame into a practical charging station
- Created engineering drawings using industry standards using CREO

## TECHNICAL SKILLS

### **Programming Languages:** C++, C, Java, MATLAB, HTML 5, CSS, Node.js, Python, Embedded C

- Imperative and Object-Oriented Programming, Algorithms and Data Structures
- Design Patterns, Version control
- Discrete Mathematics, Probability and Statistical modelling
- ARM architecture, Computer Communications, Web-development

### **Applications:** Microsoft Word, Excel, PowerPoint, Adobe Photoshop, GitHub

- Submitted professionally formatted documents for assignments and labs
- Delivered presentations using effective visuals to a non-technical audience

## COMMUNICATION SKILLS

- Obtained an Ontario French immersion certificate by communicating, interacting and thinking critically in French
- Conducted multiple oral presentations on solutions towards reducing carbon emissions to a non-technical audience

## OTHER EXPERIENCES

### **Tony Capone's – Line Cook**

August 2017- May 2018

- Retained knowledge of menu items in a short notice
- Cooperated in a team environment to deliver food efficiently

### **McDonald's – Crew Member**

December 2016 – August 2017

- Retained knowledge of menu items in a short notice
- Cooperated in a team environment to prepare and deliver food efficiently