

# Camila Martínez Ovando

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## Education

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**University of Manitoba** **September 2020 — Present**  
**Bachelor of Science: Computer Science Honours with a minor in Statistics** **GPA: 3.7**  
**Relevant Coursework:** Distributed Systems, Object-Oriented programming, Human-Computer Interaction, Artificial Intelligence, Statistical programming, Software engineering, Data Structures and algorithms, Computer Systems, Database Management Systems, Discrete Mathematics  
**Languages:** Java, R studio, Python, SQL, MongoDB, Neo4j, HTML, CSS, JavaScript,  
**Tools:** Agile Methodology, SCRUM methodology, GIT, GitHub

## Experience

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**Tutor at Science Students Association** **September 2022 — Present**

- Work with University students to improve their skills in calculus, statistics, and programming subjects.

**Speakers Team at CUSEC** **July 2022 — January 2023**

Key contributor to CUSEC, an annual software engineering conference organized for students by students where attendees discover knowledgeable speakers, connect with sponsoring companies, and make connections.

- Built a list of speakers, finding creative ways of reaching influential figures.
- Successfully secured the participation of prominent industry figures such as Grady Booch, an IBM Fellow known for creating the UML, and Matthew Pan, YouTuber with over 300k subs who shares his experiences in the tech field.
- Created the talks schedule to ensure topics are evenly spread across the event to keep the audience engaged.
- Moderated the “diversity panel” by directing questions to the speakers.

**Volunteer at CanU “Create You Own Personal Webpage” workshop** **October 2022 — November 2022**

- Helped to instructors in providing foundational understanding of HTML, CSS, and JavaScript to kids from Grade 5 & 6 while designing a webpage about their favourite topic.

**Volunteer at Science FUNdamentals** **January 2022 — May 2022**

- Promoted a passion for science by presenting interactive science demonstrations to elementary students in the Winnipeg area and gained valuable teaching and science communication experience.

## Projects

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**Statistical Programming**  
Analyzed covid cases around Canada by implementing techniques learned throughout the course like: Reorganize data, create graphs, create functions to determine the MOM and MLE estimates, inverse of the CDF, mean, bias variance, bootstrapping, hypothesis tests and goodness-of-fit tests.

**Club portal, Hackathon**  
Created a webpage that would serve as a portal for university students to find all the activities on campus that are being hosted by student clubs, based on the user interests.

**FIFA database, Group project**  
Modeled a FIFA players database, employed SQL to execute queries based on class-learned concepts. Contributed to optimizing data organization and query execution, a deeper understanding of database management principles.

**Blockchain Peer, Distributed Systems**  
Implemented topics such as TCP and UDP, consensus algorithms like proof-of-work through mining, messaging strategies, state handling and cryptographic properties by using hashlib for block hashing and validating the chain’s integrity, demonstrating proficiency in blockchain fundamentals and network synchronization.