

Julen Hoppenstedt Mandiola

+52 (961) 117-3308 | jhm.e@outlook.com | [linkedin.com/in/julenhopp](https://www.linkedin.com/in/julenhopp) | github.com/julenhopp | <https://www.julenhopp.com>

EDUCATION

Tecnológico de Monterrey (ITESM)

Monterrey, México

Computer Science Engineering — GPA: 3.8

August 2022 – June 2026

- Relevant Coursework: Object-Oriented Programming, Data Structures, Algorithms, Web Development, Database Systems, Operating Systems, Computer Networks, Software Requirements Analysis, Data Science and Analytics.

ILAC International College

Vancouver, Canada

Diploma, Services Essentials for Business — GPA: 4.0

August 2021 – June 2022

- Relevant Coursework: Customer Service Skills, Sales Fundamentals.

TECHNICAL SKILLS

Software Development Skills: C++, JavaScript, Python, C#, Kotlin, Node.js, HTML, CSS, MySQL, MongoDB.

Tools: React.js, Express, Pandas, Numpy, Sklearn, Matplotlib, Jupyter Notebook, Git, GitHub, PostMan, Unity, Linux.

Concepts: Machine Learning, Augmented Reality, Human Computer Interaction, Data Science, Data Analysis, Software Engineering, Data Structures and Algorithms, Agile Methodologies, Frontend, Backend, Systems, Game Development.

EXPERIENCE

Volunteer Full-Stack Dev at Proyecto 99 | *React.js, Node.js, MongoDB*

December 2023 – February 2024

- Developed a management system to streamline student and teacher registrations and class scheduling.
- Enhanced frontend with React, designing 15+ dynamic components for improved responsiveness.
- Improved backend with Node.js, fixing over 20 bugs and adding new features for better functionality.
- Integrated MongoDB for efficient data management and enhanced backend stability.

SorteosTec Game Proposal | *HTML, CSS, JavaScript, Node.js, C#, Unity, MySQL*

February 2024 – April 2024

- Led a multidisciplinary team as Scrum Master, developing three Unity games to increase audience and revenue.
- Built a website with HTML, CSS, and JavaScript, incorporating an e-wallet connected to the games and database.
- Developed a backend with Node.js and MySQL, integrating webpage and games via APIs for seamless data sync.
- Taught Git/GitHub to team members, demonstrating problem-solving, communication, and leadership skills.

PROJECTS

TARE.STUDY | *React, Node.js, Express, MongoDB, OpenAI's GPT-3.5*

May 2024 – May 2024

- Developed a dynamic and responsive user interface using React, enabling visualize classroom performance.
- Collaborated on backend development with Node.js, Express, and MongoDB for efficient data management.
- Utilized OpenAI's GPT-3.5 to generate personalized teaching plans and exams, enhancing education quality.

Plant Care Automation System | *Node.js, C++, SQL, Circuits*

October 2023 – December 2023

- Engineered an automation system with C++ sensors for real-time data-driven irrigation, enhancing plant care.
- Established a SQL database to store and analyze data from five sensors, ensuring precise irrigation management.
- Developed a Node.js API and real-time dashboard for data visualization, optimizing plant health monitoring.

Financial Data Analysis | *Python, Pandas, Sklearn, Numpy, Jupyter Notebook*

December 2022 – February 2023

- Extracted, cleansed, and analyzed financial data from Excel using python libraries, reducing expenses by 38%.
- Visualized financial trends with Matplotlib and Jupyter Notebook, improving fiscal management.

EXTRACURRICULARS

Uber Career Prep Fellow 2024 Cohort (4% acceptance rate)

March 2024 – Present

- Part of an intensive 6-month program focused on advanced technical skills in data structures, algorithms, and software development, while also cultivating leadership and collaboration abilities.

Produce Clerk at Choices Market

February 2022 – June 2022

- Adapted inventory levels and organization to store standards, demonstrating adaptability and attention to detail while ensuring product quality by removing unsuitable items and applying rejuvenation strategies.
- Delivered exceptional customer service by addressing inquiries and sharing knowledge, enhancing operations and customer satisfaction through effective communication, leadership, and teamwork.