

Martin Alberto Utrera Maldonado

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EDUCATION

The University of Chicago

Bachelor of Science in Computer Science

Chicago, IL

Expected, June 2027

Relevant Coursework: Introduction to Computer Science I & II, Introduction to Data Science I & II, Systems Programming I & II, Discrete Mathematics, Theory of Algorithms

Colegio Internacional Montessori

Bachelor of Science and Arts

Santa Catarina Pinula, Guatemala

Oct 2022

Cumulative GPA: 4.0/4.0

Honors: Golden Tassel

SKILLS

Languages: Spanish (Native), English (Fluent), French (Beginner)

Technical: Proficient in Microsoft Tools. Proficient in Python (Numpy, Pygame, Pandas and Scikit-learn) and C. Intermediate in C++. Basic knowledge in MySQL

Interests: Badminton, Hiking, Guitar and Web Development

EXPERIENCE

San Miguel Hardware Store

Human Resources Management Assistant

Guatemala City, Guatemala

Nov 2019 – Dec 2019

- Built a primitive website utilizing Google sites and Microsoft Excel tools to display graphs and charts with database information
- Facilitated access to sales goals and metrics for 31 employees from 8 company stores by providing website access to statistics

Private Tutoring

Math and Physics Private Tutor

San José Pinula, Guatemala

May 2023 – Sept2023

- Provided personalized, on-demand tutoring for 4 high school students and 4 university students
- Conducted 2-to-3-hour sessions one to two times per week, both in-home and remotely
- Strengthened students' understanding of academic concepts, improving worksheet and exam performance

PROJECTS

Game Implementation

Graphical User Interface (GUI) Developer

Chicago, IL

April 2024 – May 2024

- Developed a Blockus game implementation with 3 peers by using Object Oriented Programming in Python and GitHub
- Acquired experience with Pygame to design an interface adjustable to different board sizes, supporting up to 4 players and incorporating visual cues
- Facilitated weekly team meetings to address concerns, identify challenges, and propose improvements, fostering a collaborative and supportive work environment

Computer Quality-Price Data Analysis

Data Analyst

Chicago, IL

April 2024 – May 2024

- Developed two primitive prediction models (kNN and LASSO) to forecast laptop prices based on laptop specifications utilizing Python and Scikit-learn
- Created and presented data visualizations using Matplotlib for the professor and peers

TechTeam Uchicago

Backend developer for Ubivis Project

Chicago, IL

Sept 2024 – December 2024

- Created and managed a MySQL database to store law enforcement profiles and search histories
- Developed API endpoints using Express.js to fetch information from the MySQL database for user queries

LEADERSHIP & ACTIVITIES

UCHICAGO ACM

Financial Co-Director

Chicago, IL

March 2025 - Present

- Develop and manage the chapter's annual budget, ensuring appropriate allocation of funds for major events and ongoing operations
- Communicate funding needs to the Center of Leadership and Involvement to secure resources for club events and initiatives
- Participate in weekly executive meetings, contributing to strategic planning and coordination of club activities

UNIMOS

Co-Founder and Organizer

Santa Catarina Pinula, Guatemala

Feb 2023 – April 2023

- Established a community service initiative at high school, offering volunteering opportunities to 8 students
- Organized a team of 8 students to lead volunteer efforts at Valle de Los Ángeles orphanage
- Planned social activities and games to engage with the community

Badminton, High School Varsity Team

Student Athlete

Santa Catarina Pinula, Guatemala

Aug 2015 – Feb 2019

- Won 2nd and 3rd place medals in 5 tournaments from different schools around the city, including the national federation