

Mario Antonio Velasco

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EDUCATION

DePaul University, Chicago, IL

Master of Science in Computer Science, In Progress

Expected: 12/2027

Bachelor of Science in Computer Science (*Software Development Concentration*)

09/2023 - 06/2025

G.P.A.: 3.946/4.0 (*Summa Cum Laude*)

Oakton College, Des Plaines, IL

08/2021 - 05/2023

Associate in Arts in Computer Science

G.P.A.: 3.95/4.0 (*High Honors*)

COMPETENCIES

Programming Languages

Proficient (2+ years): Java

Intermediate (1 year): Python, C/C++, JavaScript, and SQL

Basic (< 1 year): Scala, PHP, and TypeScript*

Development Tools & Environments

Workspaces: Visual Studio Code (Java, Python, and JavaScript), Microsoft Visual Studio 2022 (C/C++), Oracle SQL

Developer (SQL), Replit (PHP), Eclipse, Jupyter Notebook, and IntelliJ IDEA

Version Control: GitHub Desktop (Git) and Perforce (P4V)

Other: Linux (PuTTY), Oracle VirtualBox (Ubuntu), and Jenkins

Frameworks & Libraries: React*, Node.js, and JUnit

Database Management: Oracle SQL (Standalone), MariaDB (Node.js), and SQLite3 (Python and Node.js*)

Web Technologies: HTML, CSS, and JavaScript

Content Management Systems: WordPress

Cloud Technologies

Amazon Web Services: SageMaker AI, Athena, S3, and EMR

Microsoft Azure: Azure Machine Learning (Notebooks, Designer, & Pipelines)

Computer Science Related Coursework

Java Data Structures

Computer Systems 1

Program Language Concepts

C++ Data Structures

Database Systems

Web Development I

Objects and Algorithms

Agile Software Development

Intro to Software Engineering

Big Data Processing

Automated Testing and Deployment

Introduction to Artificial Intelligence

Python Computer Science 1

Applied Algorithms and Structures

Optimized C++

*Self-taught

SCHOOL PROJECTS / WORK EXPERIENCE

Rogue Group Project [Product Owner and Software Developer]

03/2025 - 06/2025

My team used the Agile methodology to create a Rogue game using Java (deployed as a standalone Java file). I created the release plan, the product backlog with the stories and tasks, and created code. The sprints lasted 2 weeks, and we met virtually for scrums and collaboration.

Lifeguard Community Website [Software Architect]

01/2025 - 03/2025

My team used the Agile methodology to develop a website (similar to Khan Academy) for a nonprofit organization. My role was to design the application's detailed architecture, and my team wrote code in Python (Flask) and JavaScript (React) to develop the website.

A summary of other projects and work demonstrating competencies is linked [here](#).

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HONORS / ACHIEVEMENTS

- DePaul University Dean's List - All six quarters attended at DePaul
- Upsilon Pi Epsilon (UPE) Honor Society - DePaul
- Phi Theta Kappa (PTK) Honor Society - Oakton
- ISCC 2022 – 2023 Second Year Academic All-Conference Honors
- ISCC 2021 – 2022 First-Year Academic All-Conference Honors
- NJCAA All-Academic First Team Honors (22-23); Second Team Honors (21 – 22)

ACTIVITIES / ATHLETICS

- Oakton College Men's Tennis Team

08/2021 - 05/2023

INTERESTS

- Coding
- Computer games
- Tennis
- Golf

LINKS

- LinkedIn: <https://linkedin.com/in/mario-velasco-b45687324>
- GitHub: <https://github.com/marvel3492>
- Portfolio: <https://mariovelasco.net/portfolio>