Denis Fuentes Logan

(346) 917-5769 **|** denisfuentes910@gmail.com **|** github.com/DenFuentes **|** www.linkedin.com/in/denis-fuentes109

EDUCATION

University of Houston, Houston, TX

Bachelor of Science, Computer Science   **Expected Fall 2025**

Relevant Coursework: Programming, Data Structures & Algorithms, Advanced Programming in C++, Database Systems (SQL), Computer Networks

SKILLS
- **Programming:** C++, Python, HTML, CSS, C#, Java
- **Software:** POSIX Threads, Sockets API, PyShark, Wireshark, JSON
- **Concepts**: OOP, Data Structures, Algorithms, Network Protocols
- **Languages:** English, Spanish

WORK EXPERIENCE

Compudopt   January 2023 – Current
Trainer
- Taught 150+ students foundational skills in C++, Python, and problem-solving through project-based learning.
- Collaborated in a team of 30+ to plan and execute coding workshops.
- Contributed to serving 17,000+ students, distributing devices, and delivering 46,000+ hours of learning.

PROJECT EXPERIENCE

Maze Generator (C++)   May 2024 - May 2024
- Developed a dynamic maze generator and solver using graph traversal and Dijkstra's algorithm.
- Implemented object-oriented design principles and optimized algorithms for performance.
- Collaborated with a teammate to implement features using Git for version control, enhancing teamwork and code integration.
- Demonstrated proficiency in C++ with memory management and efficient data structures.

IP Address Pinning and Monitoring Tool (Python)   November 2024 - November 2024
- Designed a Python tool for real-time network diagnostics and IP monitoring
- Applied Python's robust libraries for error handling, logging, and efficient network performance analysis
- Strengthened skills in scripting and network protocols

Video game (C++)   December 2023
- Implemented OOP concepts including classes, inheritance, and pointers to build an interactive game
- Planned and executed development with rigorous testing and debugging processes
- Gained hands-on experience in project management and iterative software development

ACTIVITIES

Code[Coogs]   January 2024 - Current
- Actively participate in bi-weekly coding competitions, achieving top 5 placements in three events and improving problem-solving skills and algorithmic proficiency.
- Working on projects with a group of 10+ members throughout the semester and presenting the final product.

UH Men's Soccer Club   September 2023 – Current
- Serve as Team Leader and Captain, overseeing team activities, organizing events, and leading strategic initiatives