LUCA DONADELLO

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EDUCATION

The University of Texas at Dallas, Dallas, TX Anticipated May 2024

Bachelor of Computer Science

- GPA: 3.6
- Relevant Coursework: Database design, Advanced Algorithm and design, Operating System concepts.

PERSONAL INFORMATION

I am a senior student at the University of Texas in Dallas studying computer science. After spending most of my life in Italy, I moved to Dallas three years ago in search of a better opportunity to develop and become familiar with American culture. My broad interests include web and application development to cyber security and generative AI. I am seeking a job where I can apply all the knowledge I have gained from my years of academic experience.

SKILLS

Technical / Computer Skills: Java, C/C++, Python, JavaScript, TypeScript, HTML, CSS, MYSQL, Node.js, React, Next.js, Unix, Windows, Microsoft Office, Git and GitHub.
Languages: Italian (mother tongue), English (fluent), Spanish (proficient)

CERTIFICATES

- 100 days of Code: The complete Python pro bootcamp for 2023 Summer 2023
- Generative AI with Large Language Models Winter 2023

PROJECTS

- **Basketball Web Application**: This project was done by some of my classmates and me, and it intends to be an online database storing information related to basketball. The application is heavily based on HTML, CSS, and JavaScript. It uses node.js for the backend, implementing a well-organized database following the rules found in Fundamentals of Database Systems. The application is fully functional and customized to handle the CRUD functionality. GitHub repository.

- **Personal Web Portfolio:** Personal Website developed in HTML and CSS storing my personal information, deployed online at the following link: https://lucadonadello.github.io/

- **Multiple Processes and IPC:** The project aims to replicate a basic computer system in a C environment with a CPU and memory. The simulation of the CPU and the memory was done thanks to the UNIX processes for the communication. The memory can read an input file and provide the CPU with the information needed to perform simple tasks such as interacting with its registers and handling time and system interruptions. GitHub repository.

- **Thread Hotel simulation:** The project uses threads and semaphores in a Java environment to simulate customer and employee behavior in a hotel. The project uses a semaphore algorithm to reproduce the hotel environment and provide a specific interaction model. GitHub repository.

HONORS AND AWARDS

- **University of Texas at Dallas Dean's List** Fall 2022