Norton Andres Perez

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Education

Rochester Institute of Technology. Rochester, New York   Jan 2022 - May 2024
Bachelor of Computer Science
Relevant Courses: Mechanics of Programing, Intro to Software Engineering, Intro to Computer Science Theory, Intro to Artificial Intelligence, Concepts of Computer Systems, Concepts of Parallel and Distributed Systems, Principles of Data Mining, Principles of Database System Implementation, Data Communications and Networks, Linear Algebra, Graph Theory.

Broward Community College. Davie, Florida   Jan 2020 - Dec 2021
Associate in Computer Science   GPA: 3.95
Relevant Courses: Intro to C++, Calculus 1, 2 & 3, Physics 1 & 2.

Projects

React portfolio   Spring 2024
- Designed and developed a dynamic React portfolio showcasing a variety of projects and skills.
- Employed version control using Git for efficient collaboration and code management.
- Integrated responsive design principles to ensure functionality across various devices.

Encrypted server communications (bit-nap.github.io/Portfolio/projects/RSA/encryptMessages.html)   Fall 2023
- Developed an RSA-encrypted client-server communication system for secure data exchange.
- Implemented key generation through multithreading, reducing the key's creation time by 70%.
- Implemented additional security measures, sending non-readable messages to the server and secure storage of cryptographic keys.

Database application   Spring 2023
- Developed a conceptual model for an Instagram-like application allowing 1K users to share their interests.
- Implemented a PostgreSQL database keeping track of movies, directors, cast, studios, users, ratings, collections, and watch count.
- Summarized 5M+ records of data using SQL and Excel to clearly demonstrate meaningful information.

REST API   Fall 2022
- Developed a Java-based API for an E-Commerce business.
- Implemented a website in Angular that interacted with the API to display cinema availability & screenings.
- Coordinated effectively in an Agile team of 5 skilled members, resulting in a final grade project of 95%.

Work experience

Teaching assistant | Rochester Institute of Technology. Rochester, New York.   Fall 2023 - Spring 2024

- Prepared and organized class materials for ~120 students per semester.
- Helped organize the classroom and other equipment for 2 courses.
- Ensured that students had a good learning experience by answering any questions they had after class.

Math Tutor | Broward Community College. Davie, Florida.   Fall 2021

- Created and maintained a welcoming, friendly, and engaging environment for learning.
- Provided 1-on-1 tutoring and led study sessions of groups of 4 for final exams.
- Explained complicated topics like Calculus 2 in an easy-to-understand way.

Skills

- Programming languages: Python, Java, JavaScript, HTML, CSS, SQL, C#, C++, C, assembly.
- Technologies/Frameworks: TCP/IP, HTTP, REST APIs, Angular, Git, JUnit.
- Developer tools: Visual Studio Code, PyCharm, IntelliJ, Rider, DataGrip, Postman, GitHub, Vim.
- Soft skills: problem solving, teamwork, communication, adaptability, resilience.