Alex Castro

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EDUCATION

Georgia State University   Atlanta, GA
Bachelor of Science in Computer Science   *Expected Graduation date: Dec. 2024*

RELEVANT COURSES

Data Structures   Fall 2023
Georgia State University   *Atlanta, GA*
  ∗ Utilizing Data Structure to complete Lab assignments such as: Palindrome Check, traversing through a tree,
    Reversing a Linked List, and sorting arrays

System Level Programming   Fall 2023
Georgia State University   *Atlanta, GA*
  ∗ Introduction to Linux and C programming

Computer Org Programming   Fall 2023
Georgia State University   *Atlanta, GA*
  ∗ x86 assembly language programming with Microsoft Visual Studio

Principle of Computer Science II   Spring 2023
Georgia State University   *Atlanta, GA*
  ∗ Group project that utilizes file reading and python libraries such as: NumPy, Pandas, and Matplotlib

Theoretical Foundations of Computer Science   Spring 2023
Georgia State University   *Atlanta, GA*
  ∗ Logic, Proofs, Relations, Set, Theories

PROJECTS

Weather Application | *HTML, CSS, JavaScript*   January 2024 - Current
  ∗ Developed a weather application with an OpenWeatherMap API to retrieve real time weather data, including
    temperature, humidity, and weather conditions

To-Do List application | *Python*   December 2023
  ∗ Developed a desktop To-Do List application in Python, featuring a user-friendly GUI built with Tkinter
  ∗ Utilized object-oriented programming principles to ensure code readability, re usability, and maintainability
  ∗ Implemented a system to store tasks with associated due dates, allowing users to keep track of upcoming and
    overdue tasks along with functionality to mark tasks as complete and delete tasks, helping users stay organized

Routine Reminder | *Python*   October 2023 - Current
  ∗ Designed a application to manage and automate daily reminders, enhancing personal time management
  ∗ Utilizes python libraries such as: datetime, time, and plyer
  ∗ Program runs locally, offering a customizable schedule for efficient task management

Pokemon Data Analysis | *Python*   April 2023
  ∗ Data analysis of Pokemon attributes such as health, attack, speed, etc. from the first four generation
  ∗ Graph visualizations of Pokemon attributes along with calculations such as mean, median, variance, etc.
  ∗ Utilizes Python file reading and Libraries such as: NumPy, Pandas, and Matplotlib

TECHNICAL SKILLS

Programming Languages: Java, Python, C, JavaScript, HTML/CSS
Developer Tools: Git, VS Code, Visual Studio, PyCharm, IntelliJ, Eclipse
Libraries: Pandas, NumPy, Matplotlib, plyer, Tkinter
Languages: English, Spanish