Wayne Simmons

PROFILE

Motivated junior Computer Science student with a strong foundation in programming and software development whose passionate about machine learning, seeking an internship to apply my skills in real-world projects and further my goal of pursuing a career in machine learning research. Availability: 05/26/25 - 08/25/25

PROGRAMMING SKILLS

- Languges : Python, C++, Swift
- Technologies : Pandas, Scikit-Learn, Numpy, Matplotlib, PRAW API, Flask, PostgreSQL, REST API's, Google Translate API

PROJECTS

MACHINE LEARNING REGRESSION MODEL FOR HOME PRICE PREDICTIONS

Developed a data preprocessing and machine learning pipeline to analyze and predict home prices using Zillow Home Value Index (ZHVI) datasets in Python. Designed an automated pipeline that extracts and reshapes data using pandas.melt(), ensuring compatibility across different home types (e.g., single-family, condos, 1-bedroom, multi-bedroom homes) at the state level. Converted date values into numerical representations for regression modeling and implemented Simple Linear Regression to forecast future home prices. Evaluated model performance using R-squared scores and visualized trends with Matplotlib. This project is hosted on my GitHub which can be found at my website below.

PASSWORD GENERATOR

Designed a random password generator using C++ by applying concepts from data structures and algorithms coursework. The program leverages the ctime library and vectors, utilizing custom functions to generate random ASCII characters, forming secure passwords. This project is focused on security and is hosted on GitHub which can be found at my website below.

REDDIT STORIES SCRAPPER SCRIPT

Developed a Python script using the PRAW library to automate the extraction of stories from specific subreddits. The script interacts seamlessly with Reddit's API, storing the stories in a designated directory to streamline content gathering for a Reddit-based YouTube channel. This automation project, emphasizing web scraping and API integration, is available on GitHub which can be found at my website below.

C++ DATA STRUCTURES AND ALGORITHMS LABS

Took the initiative to complete and host on GitHub all programming labs assigned throughout the semester, beyond the course requirements. These labs included foundational C++ concepts such as pointers, classes, and object-oriented programming (OOP), as well as advanced topics like implementing data structures (linked lists, stacks, queues) and algorithms (selection sort, bubble sort, merge sort). Collaborated with classmates by providing these resources on GitHub which can be found at my website below.

IOS DEVELOPMENT UDEMY COURSE

Through a Udemy iOS development course by building two Swift-based applications using Xcode. The Lord of the Rings Currency Converter App allows users to convert between various fictional currencies with a user-friendly interface and a swap conversion feature. The Jurassic Park Apex Predators App catalogs dinosaurs, enabling sorting, filtering by terrain, and searching. It includes detailed profiles with images, movie descriptions, Apple Maps integration, and external links, as well as iMessage Dino stickers. These projects, hosted on GitHub, strengthened my skills in UI/UX design, CoreData management, API integration, and mobile app deployment.

WORK EXPERIENCE

SPECIALIST, APPLE; NEW YORK, NY — 07/2022–PRESENT

- Collaborated with team members to provide exceptional customer service in a high-traffic, flagship store.
- Developed skills in teamwork, collaboration, and managing complexity in a fast-paced environment.
- Consistently met and exceeded performance expectations set by leadership maintaining 100% customer ratings score, and exceeding quarterly goals by over 120%
- Gained valuable experience in decision-making and maintaining high standards of excellence.

EDUCATION

CUNY Queens College, Queens, NY — Computer Science, December 2026

RELEVANT COURSEWORK

- Discrete Math: Gained foundational knowledge in mathematical structures relevant to computer science.
- Data Structures and Algorithms (C++):
  - Expanded knowledge in C/C++ programming.
  - Built and implemented data structures and algorithms.
  - Developed a deep understanding of pointers and data manipulation.

SKILLS

- Strong teamwork, collaboration, and adaptability abilities.
- Excellent decision-making, time management, and problem-solving skills.
- Experience in high-paced, high-expectation work environments.

CERTIFICATES

- University of Michigan, Coursera - Getting Started with Python
- University of Michigan, Coursera - Python Data Structures
- UC Santa Cruz, Coursera - C for Everyone: Programming Fundamentals

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