Fermin Ramos

Albuquerque, New Mexico, United States

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**Profile**

Data-driven individual with a passion for programming, time management, and efficiency. I’m interested in pursuing a career in backend programming or database management. I have developed programs for practical business purposes, for school assignments, and others as personal passion projects. However, I feel a strong need to aim my abilities to the next level of production level scalability, optimization, and usefulness.

**Education**

*University of New Mexico* (2019 – Present)

B.A. in Computer Science & minor in Statistics | JUNIOR | GPA: 3.45

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| Relevant Courses:  [] CS152 – **Python**  *(Computer Programming Fundamentals)*  [] CS241 – **C**  *(Data Organization using Linux)*  [] CS251 – **Java**  *(Intermediate Programming)*  [] ECE 238 – N/A  *(Computer Logic Design)*  [] FDMA 2768 – **C**  *(Game Design)*  [] CS261 – N/A  *(Mathematical Foundations of CS)* | Relevant Achievements:  [] School of Engineering Peer-Mentor, 3x Semesters  [] Member of The National Society of Leadership and Success, Honor Society  [] {Spring 2021} School of Engineering Dean’s List  [] {Spring 2020} School of Engineering Dean’s List  [] {Fall 2019} School of Engineering Dean’s List |

**Personal Skills**

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| [] Bilingual (English & Spanish) | [] Good communicator | [] Can-do attitude |
| [] Strong time management skills | [] Great work ethic | [] Love learning & helping |

**Projects // Experience**

*Food For Kids (Java + Apache POI)*

[] Designed and programmed a Java automation script for creating weekly nutritional menus on MS Excel *for my family’s local business.*

[] Program was designed to handle multiple input files containing dozens of food options. Final output written onto an MS Excel Spreadsheet (using Apache POI) with proper formatting. Program assures that no child gets served the same meal twice in a row.

[] System adheres to state and federal guidelines.

[] Automation system later updated and expanded for other surrounding independent daycare businesses.

*Tour de France (C)*

[] Program organizes data from the final classification of Tour de France riders into various formatting files. Data can be sorted by team, country, or by classification.

[] Program is designed to handle hundreds of data entries with ease.

*Book & Author (Java)*

[] Is a program designed to create, store, and manage hundreds of books, as if it was the backend system to a library. Program is also designed to handle minor errors, such as checking out more books than those available.

[] Program can recognize total copies in library, number of books checked out, print library status, add books (unique), add books (copies), check out books, check in books, as well as list books by title/author.

[] Achieved proficiency utilizing constructors, methods, objects, and classes throughout the scope of this program

*Um, the presentation tracker (Python)*

[] Utilizing Apple’s native speech recognition software, “*Um, the presentation tracker*” listens to a presenter’s speech in real time and auto-detects any flawed speech habits. Program defines “flawed speech habits” as being universally agreed upon “no-no’s” when presenting, such as using the word “um”. Gives a total count of how many errors a presenter made for each flawed speech habit word.

[] Built this program in under 20 minutes during one of my communication lectures after my professor recommended the entire class to record themselves and manually count how many times they use the word “um” during a presentation. Felt it was an inefficient recommendation, so I decided to create an more stream-lined approach.

[] Plan on creating a Mobile application of this program in the future.

*Casino Royal (Java)*

[] Is a command line-based game in which the user has the option of playing one of four popular casino games: Big Six Wheel, Slot Machine, Roulette, or Blackjack

[] Game is able to keep track of multiple players, as well as their respected betting amounts and chip count.

[] Achieved proficiency utilizing constructors, methods, objects, functions, classes, and abstract classes