Elijah Ongoco

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EDUCATION

Rutgers University, School of Arts and Sciences - New Brunswick, NJ	**Class of 2022**
Major: Computer Science (B.S.)	**GPA:** 3.457
Minor: Cognitive Science	**Dean's List**: Spring 2020

RELEVANT COURSEWORK

Systems Programming	**Spring 2020**

- Experience with multi-threading, file I/O, and socket programming

Data Structures	**Spring 2019**

- Experience with the workings of a variety of data structures and their abstractions

Other relevant courses: Operating System Design, Databases, Algorithm Design, Linear Algebra, Discrete Mathematics

PERSONAL PROJECTS

Discord Chatbot
Modular, feature-rich Discord Chatbot that provides informational services and entertainment functions to users

- Python project that utilizes Discord API to provide users with entertainment through text-based games like hangman via the RandomWord API or randomly picked responses to questions
- Provides services; stock data from yfinance, global weather using OpenWeatherMap, language translation via consultation of Google Translate's servers, storage of users' custom commands of choice via MySQL connection
- Has the ability to service up to 25,000 users simultaneously through asynchronous command handling

Password Encryption
Password generation program used personally for secure, obscure passwords

- Java project that simulates password encryption, salting, then hashing via SHA-256 and other hidden methods

"Where's the File" Version Control System
Lightweight version control system using server and client executables

- C Project written in coordination with a partner through Git for even allocation of work
- Implemented multi-threading and synchronization mechanisms to safely handle multiple clients' files
- Focused on server and client communication having as minimal overhead as possible, done with only strings

WORK EXPERIENCE

United Parcel Service (UPS)	**Somerville, NJ**
Warehouse Package Handler	*June – August 2019*

- Successfully managed a hands-on job that requires ability to multi-task efficiently, sorting packages numerically into 8 shelves in up to 4 different trucks of up to 200 packages each
- Organized packages in a swift and timely manner to meet the constantly changing deadlines and package numbers in order to ensure customer satisfaction
- Worked in a team of 8 people to sort thousands of packages per day, providing assistance to those that fall behind in their work to guarantee overall success of the team

SKILLS

- **Languages:** C, Java, Python, SQL
- **Other:** Microsoft Suite (Word, Excel, PowerPoint, Outlook, Teams), Git, Algorithm Analysis, LaTeX, Bash Commands, GNU/Linux, Performance Optimization, MySQL

LEADERSHIP

Rutgers Esports	**New Brunswick, NJ**
Executive Board Member, Officer of the Community Management Committee	*August 2018 - Present*

- Acted as a moderator for a Discord server containing over 2,500 members and 100 text channels
- Organized and managed tournament brackets for LAN events which regularly sport over 800 attendees