Daniel Vargas

Software Developer

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SKILLS

- **Programming Languages:** Python, Java, JavaScript, HTML / CSS
- **Database Management:** MySQL, Basics of MongoDB
- **Tools:** Git, GitHub, Bash Terminal
- **Concepts:** Version Control, Object-Oriented Programming, Data Structures, Algorithms
- **Abilities and Skills:** Strong Problem Solving, Analytical Skills, Creative, Good Communication

PROJECTS

1. **Asuna – Discord Bot AI** (ChatGPT Integration and Server Moderation)
   - Implemented OpenAI's ChatGPT to intelligently moderate server messages.
   - Improved the efficiency of any discord server by automating the moderating duty.
   - Used the Natural Language Processing to perform server's tasks 24/7.

2. **Password Manager with Encryption**
   - Implemented AES-256 and AES-512 to ensure the safe storage of user credentials.
   - Learned about Encryption methods, how to use them and ways to make secure.
   - Applied salt to the encryption in order to make every encryption different from each other.

3. **Password Generator**
   - Created a random password generator in python using advanced string manipulation.
   - Incorporated options for length, character types and complexity to generate strong passwords.

EDUCATION

Red Deer Polytechnic | Software Development.
January 2022 – Current (December 2023), Vancouver B.C.
- Develop Software that solves real-world problems.
- Design and management of clean databases.
- Implemented good coding practices in order to create projects in an efficient way.

Coursera | Meta Back-End Developer Professional Certificate, Computer Software Engineering.
January 2023 – July 2023, Remote.
- Data storage and databases using MySQL, and how to craft sophisticated SQL queries.
- Django web framework and how the front-end consumes data from the REST APIs.
- Linux commands and Git repositories to implement version control.

CERTIFICATIONS

- **Programming in Python** | Coursera, February 2023.
- **Introduction to Back-End Development** | Coursera, January 2023.