Yernar Smagulov

yernar.smagulov02@gmail.com • ysmagulov02.github.io • linkedin.com/in/yernar-smagulov • github.com/ysmagulov02

EDUCATION

University of California, Santa Cruz | Santa Cruz, CA   Expected Graduation June 2024
Bachelor of Science (B.S.) in Computer Science   *Cumulative GPA: 3.94*
Coursework: Data Structures and Algorithms in C/C++, Programming in Python, Programming in C, Computer Systems and Assembly Language, Mathematical Methods for Engineering, Discrete Mathematics, Calculus, Computer Architecture, Data Programming for Visualization

SKILLS & TECHNICAL TOOLS

Languages: Python, C, C++, SQL, JavaScript, HTML/CSS, Swift
Technologies: Git, AWS, ReactJS, Plotify, Matplotlib

EXPERIENCE

Full Stack Developer | Kapuscinski-Sarker Lab   Aug 2022 - Present
- Build dynamic features and different types of interactive data visualization for the front-end.
- Maintain existing code and functionality for the back-end.

Full Stack Developer Intern | Citris Workforce Innovation   June 2022 - Aug 2022
- Developed from scratch a front-end web application using HTML/CSS and Javascript for the Cruz Aquafeed Sustainability Tool.
- Contributed to developing an open access aquafeed decision support tool that allows users to assess whether alternative ingredients meet the nutritional requirements of farmed fish, ensure a high-quality product with low environmental impact, and compete with the costs of conventional ingredients using Python.

PROJECTS

Wordle game | *Python, C*   March 2022
- Implemented a popular word-guessing game "Wordle", adapting game mechanics for the player's guesses (gray, yellow, green) using Pygame library.
- Developed a Wordle-Solver that takes guesses for the user, resulting in a 99% win rate using C.

Overwatch lite | *Python*   Aug 2021 - Sep 2021
- Developed a multiplayer game with figures from famous online shooter Overwatch using Python, utilizing a 2D game engine that allows users to move around and shoot.
- Designed gameplay images, sound effects, moving objects, and collisions and built a dynamic look of players' health points and winner information.

CERTIFICATIONS

- **Web Development For Everybody**   Feb 2022 - May 2022
- **Coding For Everyone: C and C++**   Nov 2021 - Jan 2022
- **Python For Everybody Specialization Certificate**   Jan 2021 - Sep 2021
- **Google IT Support Professional Certificate**   June 2020 - Feb 2021