

Yernar Smagulov

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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