Sean Murphy

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EDUCATION

Oregon State University   **Graduating Winter 2020**
Bachelor of Science in Computer Science

Oregon State University   **Graduated Winter 2019**
Bachelor of Science: Biochemistry/ Computational Molecular Biology/Bioinformatics
Minor: Chemistry

Relevant Coursework: Computer Science I,II, Date Structures, Web Development, Computer Architecture and Assembly Languages, Databases, Discrete Structures. Molecular Biology, Applied BioInformatics, Macromolecular Structures, Quantitative Analysis, Vector Calculus, Statistical Methods I, Intro to Applied Statistics, BioChemistry and BioPhysics, Molecular Research Techniques 2 (Independent Lab).

PROFESSIONAL EXPERIENCE

ECarin|Bend, Oregon   July 2019-January 2020
Software Engineering Intern
- Constructed/edited design plans for a natural language processing project that could sort through twitter data.
- Developed/implemented python code in order to increase the speed of an already established company algorithm.
- Cleaned up code that had already been implemented on the company website.
- Created a script for google sheets that allowed coworkers to increase their data entry speed.
- Attended weekly meetings to discuss project progress and communicated with coworkers via Slack.
- Languages/frameworks used: Python, CSS, HTML, Java Script.

OREGON STATE UNIVERSITY, MOLECULAR WINE RESEARCH|Corvallis, OR   September 2018 – June 2019
Undergraduate Research Assistant
- Conducted weekly meetings in order to showcase visualizations of data findings/models in order to keep members of the research team up to date. Models were supplemented with technical overview of experiments.
- Assigned individual research project in which I conducted primary research, experimental design and experimentation.
- Responsible for Daily lab up keep and the cleanliness of my station.
- Worked alongside a group of my peers in order to achieve weekly/monthly laboratory goals.
- Assisted freshman in lab with implementation of experimental design and execution of experimentation.
- Generated Bio python scripts in order to analyze genetic sequences that were requested.
- Maintained a University distributed lab notebook and was responsible for the safeguard of its contents.

OREGON STATE UNIVERSITY|Corvallis, OR   June 2018 – September 2018
Agriculture Marketing Research &Remote Communications Student Technical Assistant
- Created excel based models using primary data from surveys in order generate a visual story of data collection.
- Conducted phone surveys focused on increasing profits of those within the agricultural space partnered with OSU.
- Curated final lab write ups, documentation of surveys conducted, and documentation of weekly goals.

LEADERSHIP & EXTRACURRICULAR

OSU Finance Club|Corvallis, Oregon   January 2017 – September 2017
- Attended weekly meetings and contributed findings on potential stocks that could see growth.
- Dedicated free time in order to progress my personal knowledge in regards to finance and business.

OSU Music Production Club|Corvallis, Oregon   January 2018 – May 2018
- Contributed to weekly meetings taught other students about music production and techniques they could use regarding Saturation, EQ, Multiband Compression, Music Theory, Reverb Techniques and Musical Arrangement.

SKILLS & INTERESTS

Skills: PC/Windows/Mac, Excel, Microsoft Office, Windows, Word Processing, Snapgene /Pymol/PCR, Other Lab Skills, Languages/Frameworks: MySQL, Python, Bio Python, R & R studio, CSS, HTML, Java Script, C/C++, Assembly Languages, Bootstrap, React, SpaCy and Knowledge of General Data Structures.
Interests: Cryptocurrency, Mountain Biking, E-Sports, Health & Nutrition, Hiking, Rock Climbing, Exercising, Coding, Skiing, Writing Music.