

Trysten Hess

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EDUCATION

Oregon State University (OSU), Corvallis, OR (Current, Expected Graduation: 2021);

B.S in Computer Science; Major GPA: 3.9 Overall GPA: 3.9

University of San Francisco (USF), San Francisco, CA;

B.S. in Physics, Minor: Engineering Physics; Major GPA: 3.57; Overall GPA: 3.45

OBJECTIVE

Apply problem solving skills coupled with a strong desire to learn in order to expand upon my analytical and computational skills, particularly in a research oriented environment.

AWARDS & ACCOMPLISHMENTS

- Dr. Raymond Genolio Award - Outstanding academic performance in the physics department
- Dean's Honor Roll for several semesters - Obtain GPA of 3.7 or higher during a semester
- Sigma Pi Sigma Physics Honor Society - Elected member by professors in the physics department

SKILLS

- Proficient in Python, NumPy, comfortable with SQL, Pandas, HTML/CSS

STRENGTHS

- Adaptable & Eager to learn
- Hard-working

ACADEMIC PROJECTS

Digital Electronics [Spring 2018]

- Built a stop-watch using MultiSim software, programmed circuits onto an FPGA motherboard

Computational Physics I (Python) [Fall 2017]

- Program for numerical analysis; i.e: the fundamental theorem of calculus
- Trained machine learning programs to execute number and facial recognition

Upper Division Physics Lab [Fall 2017]

- Conducted experiments on numerous topics including: X-ray diffraction, Optical spectrometry, and Blackbody radiation, having to become familiar with equipment that came with each lab
- Implemented extensive data analysis techniques

RELEVANT EXPERIENCE

Cardinal Education - Academic Coach (Math/Physics) - San Francisco, CA [Jan 2020 - July 2020]

- Communicate with parents and students for steady growth and learning
- Express ideas in multiple ways so students can better understand the concepts

USF - Teaching Assistant - San Francisco, CA [August 2017 - May 2018]

- Scheduled office hours as well as tutoring sessions
- Organized students to observe astronomical objects using telescope equipment from department

REFERENCES

- Horacio Camblong – camblongh@usfca.edu
- Aparna Venkatesan – avenkatesan@usfca.edu
- Milka Nikolic - mnikolic@usfca.edu
- Thomas Böttger - tbottger@usfca.edu