

Aurora Bo Realis

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EDUCATION

Bachelor of Science: Physics (Math minor)
Weber State University, Ogden UT

May 20XX (Anticipated)
GPA 3.65

Related Coursework

- Thermal, mechanical and chemical materials characterization (including lab work)
 - Math through ordinary differential equations plus statistical analysis (2 courses)
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WORK EXPERIENCE

Technical Intern

20XX - Present

Northrop Grumman Innovation Systems, Promontory, UT

- Test and analyze materials for failure trends and recommend corrective actions
- Assist with drawing and component design using Solidworks software
- Evaluation of five structural properties using Autodesk FEA software
- Provide a weekly, 10 minute summary presentation to groups of 3-5 employees

Tutor - Math and Physics

20XX - 20XX

Weber State University, Ogden UT

- Explained math and physics to students in 10-12 weekly individual sessions
- Analyzed student comprehension and helped them set individual goals.

Seasonal Lift Operator

20XX - 20XX

Powder Mountain Ski Resort, Eden UT

RESEARCH EXPERIENCE

Undergraduate Honors Thesis, *In Progress*: Physical and statistical evaluation of the impact of heat pressing on the flexural strength of a new fiber reinforced carbide material. Supervised by Dr. Fig Neutron of the WSU Department of Physics. Accepted for poster presentation at the 20XX National Conference on Undergraduate Research (UCUR).

RELEVANT SKILLS *(present skill level: B=Basic, I=Intermediate, P=Proficient)*

- **Software:** Solidworks (*I*), MatLab (*I*), MS Excel (*P*), MSWord (*P*), MS Powerpoint (*P*)
- **Programming:** Python (*I*), Java (*B*), SQL (*B*)
- **Methods:** Scanning electron microscopy (*I*), ICP mass spectrometry (*B*), x-ray diffraction (*B*)
- **Other:** Strong written and verbal communication, bilingual English/Spanish