Aurora Bo Realis

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 **EDUCATION**

 **Bachelor of Science: Physics** (Math minor)May 20XX (Anticipated)

Weber State University, Ogden UT GPA 3.65

*Related Coursework*

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

 **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