**Andrew L. Poland**

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**EDUCATION**

UNIVERSITY OF NEVADA, LAS VEGAS

**Master of Science in Mechanical Engineering, GPA: 3.59**,8/15-5/18

Master’s Thesis: *A Numerical Model of an Axial Wind Turbine*

* Created a Matlab code to create wind turbine blade coordinates using the blade element and momentum theory and then validated the geometry using CFD.

Relevant Coursework:

* Turbomachinery
* Transport Phenomena
* FEA
* Advanced Dynamics
* Advanced Fluid Mechanics I and II

**Bachelor of Science in Mechanical Engineering, GPA: 3.55**, 8/10-12/14

Relevant Coursework:

* Aerodynamics
* Heat Transfer
* Thermodynamics

**SKILLS**

* Microsoft Office
* MATLAB
* SOLIDWORKS
* ANSYS
* Oscilloscope
* Basic Circuitry

**PROFFESSIONAL WORK EXPERIENCE**

**UNIVERSITY OF NEVADA, LAS VEGAS,** 1/16 – 5/18

*Graduate Assistant*

* Instructed 77 students in four Engineering Measurements Labs.
* Instructed 31 students in two Automatic Controls Labs.
* Instructed 15 students in use of SOLIDWORKSsoftware.
* Tutored various math, physics, mechanical vibrations, and aerodynamics courses.

**IMI PRECISION ENGINEERING– NORGREN KLOEHN**, 4/15 – 12/15

*Engineering Intern*

* Created diagrams and tools in support of engineers.
* Developed work instructions for new product assembly and assisted in the set-up of the assembly line.
* Assisted with design and product performance calculations.
* Aided in design verification and validation activities.

**SUNDANCE HELICOPTERS**, 8/14 – 8/15

*City Lights Loader*

* Ensured the safety of passengers during entry and exit procedures.
* Directed helicopters while on the ground.

**HALLMARK**,6/10 – 4/15

*Card Expert/ Sales Associate*

* Ensured cards were maintained according to company standards.
* Responsible for setting up seasonal product.

**ORGANIZATIONS**

**American Society of Mechanical Engineers**

* Former Treasurer

**Tau Beta Pi Engineering Honor Society**

* Former Graduate Advisor, Vice President, and Corresponding Secretary