**Bern Oulli**

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# Objective

Obtain a full-time position as an Aerospace Engineer beginning May 2023

# Education

**Iowa State University**,Ames, IA Anticipated May 2023

Bachelor of Science in Aerospace Engineering
GPA: 3.68/4.00

**University of Valencia**,Valencia, Spain May 2021 to August 2021
Study Abroad Program

# Employment Experience

**The Boeing Company**,Seattle, WA June 2022 to December 2022 *Structural Engineering Co-op*

* Authored structural test plans and work authorizations, which provided detailed instructions for aircraft certification testing
* Investigated various structural analysis methods and recommended a preferred approach
* Collaborated with a team to manage the certification test project schedule
* Drafted a guide for the design and placement of system support brackets

**Emerson Process Management**,Marshalltown, IA May 2021 to August 2021
*Product Engineering Intern*

* Designed custom control valves to meet specific customer process conditions
* Produced a finite element program for seismic analysis that is now used by the engineering department

**Iowa State University, College of Engineering**,Ames, IA August 2020 to January 2021

*Research Assistant*

* Applied engineering problem-solving to force measurement problems

**Fareway Food Stores**, Clear Lake, IA May 2019 to August 2020

*Stock Clerk*

* Contributed to a high level of customer satisfaction by maintaining the proper level of inventory and assisting customers as needed

# Academic Project Experience

**Cyclone Business Jet Design Project**  January 2021 to Present

*Team Leader, Performance Group*

* Organized and directed team meetings, led goal-setting activities, coordinated assignments to optimize group effectiveness, and maintained communication between project subgroups
* Wrote C++ static performance code to calculate performance data
* Analyzed dynamic wing/tail/body loading on a preliminary aircraft design

# Honors and Leadership

Tau Beta Pi Engineering Honor SocietyMarch 2019 to Present

* Small Group Leader (Fall 2019)

Sigma Gamma Tau Aerospace Engineering Honor Society April 2019 to Present

# Skills

ANSYS, C++, Fortan, MATLAB, Microsoft Office, Simulink, SolidWorks