

William Hoenig
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Education

Washington University / EdX Full-Stack Coding Bootcamp Certificate (Expected March 2025)

University of Missouri St. Louis / Washington University Joint Engineering Program
Bachelor of Science in Mechanical Engineering (Magna Cum Laude)
Fall 2019 – Spring 2022
GPA: 3.9

St. Charles Community College
General Study Requirements
Fall 2017– Spring 2019
GPA: 4.0

Skills

Able to work well with others	Communication
Problem-Solving	Leadership
Strong Mathematical and Mechanical Aptitude	

Work Experience

Stress Analysis Engineer / The Boeing Company – ***PhantomWorks***

- Performs Stress Analysis using well-defined tools and analysis methods to validate and verify Structural Performance of systems and components.
- Creates Tools and Scripts that streamline efficiency and productivity of structural analysis team.
- Develops and Matures part design by optimizing part for loads and reduces weight where possible to improve component design solutions, and overall aircraft performance.

Robotics Engineering Co-Op & Project Engineer / Nidec Motor Corporation, March 2021 – July 2022

- Assisted with Motor Testing and Data Management on various projects.
- Supported assembling motors in the lab for customer sample builds.
- Performed Sound/Vibration Tests and Dyno Tests to support Modal and Performance validation of New Product Designs.

Teachers Assistant (TA) / Washington University in St. Louis, Fall 2020 – May 2022

- Assisted professor with academic support services for Engineering Math.
- Led group study sessions and enhanced course materials with study guides.

Student Tutor / University of Missouri- St. Louis, Fall 2019 – Spring 2020

- Contributed to student success by providing tutoring for Calculus and Physics.
- Coached students in one-on-one format, both in-person and virtually.

Honors and Awards

St. Charles Community College

- Deans List nomination in Spring 2018 and Spring 2019

University of Missouri St. Louis & Washington University Joint Engineering Program

- Curators Scholarship
- Boeing Scholars Scholarship
- Member of Student Advisory Board