

Abby Castelow

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Education

The University of Tennessee, Knoxville
Bachelor's of Science in Aerospace Engineering

Graduation: December 2017
GPA: 2.7/4.00

Denver University, Denver (Not yet Completed)
Certificate in Full Stack Web Development

Graduation: October 2021
Currently Enrolled

Skills & Training

- Systems Testing and Evaluation
- Oral Presentation and Communication
- Problem Solving
- Engineering Programs: MATLAB, C++, Python,
- 3D Design in AutoCAD
- Programming: JS, HTML, CSS, jQuery, Node.js, Express.js, React.js, CommandLine, Git, MySQL, Database Theory and more

Related Experience

Senior Design Team Project – Knoxville, TN

January 2017 – May 2017

- Studied previous teams' reports
- Practiced safe handling of flammable and explosive materials
- Conducted cost analysis to maximize budget for materials
- Recycled equipment and sensors from previous projects
- Executed test fires on multiple hybrid rocket cores to gather data
- Completed written report in compliance with AIAA standards
- Using remaining funds, 3D printed an additional core with helical structure

Work Experience

Inteliquent (Previously Voyant Communications)– Denver, Co
Tier 1 Technician

June 2019 – Present

- Support customers over email or phone through various issues and requests
- Communicate effectively with co-workers to better assist customers when I am unable to myself
- Succeed in completing tasks while under pressure in this extremely fast paced environment
- Constantly learning new things to support my customers and co-workers
- Effectively working with other departments not related to the support team

Passions

- 3D Designing things in AutoCAD
- Unix/Unity I check the sites to see what's free sometimes and play around with what's there just to see what I can make
- Recent exploration in VR/AR and actively pursuing career development towards a career in VR/AR

Awards & Volunteering

- Theta Tau Professional Engineering Fraternity
- Society of Women Engineers
- Mensa
- Volunteering: Habitat for Humanity, Ronald McDonald House, Beardsley Farm, etc.