

Ryan Larson

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Summary

- Recently completed University of Denver Coding Bootcamp for Full Stack Web Development
- Prior experience as a Mechanical Engineer with United Launch Alliance for 7 years
- Graduated from Colorado School of Mines with a Masters in Mechanical Engineering and a Bachelors in Engineering Physics
- Looking to make a career change into computer coding as a Software/Web Developer

Relevant Experience

- DU Bootcamp provided Web Development experience using the following languages/libraries: HTML, JavaScript, CSS, MySQL, MongoDB, Express, React, Node and GraphQL
- Bootcamp projects were completed in a collaborative team environment using Github to create Full Stack MERN applications
- Prior work experience in an engineering environment including technical presentations and meeting deadlines for engineering deliverables

Work Experience

- **United Launch Alliance** **June 2015 to October 2022**

Modeling and Simulations Engineer

- Product Lifecycle Management for the Atlas and Delta programs
- Performed drawing reviews, 3D modeling and revision control for design deliverables
- Used NX/Teamcenter and Windchill/Creo for CAD work and drawing/model revision control

Major Development - Mechanical Engineer

- Mechanical Engineer on Vulcan development program
- Worked within Agile workflow process throughout development of Vulcan rocket
- Performed trade studies for mechanical structures design and presented designs to Chief Engineers
- Engineering support at manufacturing site during initial build of Vulcan Upper Stage

Education

- **University of Denver** **January 2023**

Certificate - Full Stack Web Development

- **Colorado School of Mines—Golden, Colorado**

Master of Science - Mechanical Engineering

May 2014

Bachelor of Science - Engineering Physics

May 2013