

WILL BOEKEL

Prototype LiDAR
Technician, Aurora
(a self-driving freight company)

At Aurora I build, service, and help develop long range LiDAR (Light Detection and Ranging) units that are used on self driving semi trucks. I also help by designing in CAD and printing small parts for various tests and processes for our scanners.

WHAT IS MY CONNECTION TO QUANTUM?

At Aurora we use lasers and LiDAR to be able to sense the world around us and create a 3D image. LiDAR uses quantized particles of light, or photons (the smallest unit of light), which is an application of quantum.

HOW DID I GET INTO A QUANTUM-RELATED JOB?

I completed the Photonics and Laser Technology 2-year program through Gallatin College which prepared me to be hired as a technician in this field.

THE THING I LIKE BEST ABOUT MY JOB is the ability to work on cutting edge technology that will have a big impact in the world. The change from day to day working on various projects and priorities makes it fun and refreshing as well.

OUTSIDE OF WORK, my main hobby is project caving where I lead a mapping effort of the Bighorn/Horsethief Cave System. Over 100 volunteers have participated on the project. For this project we use custom built LiDAR units to supplement our standard documented cave survey methods to create a 3D model of the cave.

WHAT ADVICE WOULD I GIVE HIGH SCHOOL ME?

Ask for help earlier and take the time to make sure you understand things.



LEARN MORE
montana.edu/smrc/quantum/

I AM QUANTUM



Aurora

GALLATIN COLLEGE
MONTANA STATE UNIVERSITY



MONTANA
STATE UNIVERSITY

QCORE