

Mitchell Van Wagoner

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(503) 869-3877

EXPERIENCE

Sunrun — CAD Technician / Software Developer

Lehi, UT / Remote - June 2017 - Present

- ❖ Created over 20,000 permitable solar installation designs using Autocad
- ❖ Balanced customer and company constraints
- ❖ Analyzed architectural blueprints
- ❖ Built QA tools enhancing internal/external teams and customer confidence
- ❖ Reduced QA error rates by 3x
- ❖ Wrote SOPs and training documents

Vivint Solar — CAD Technician / Team Lead

Lehi, UT - May 2015 - June 2017

- ❖ Led 12 designers in industry first processes
- ❖ Facilitated growth through trainings and shadow sessions
- ❖ Monitored employee success through 1 on 1 guidance
- ❖ Collaborated with field personnel on design decisions
- ❖ Checked designer work to ensure quality
- ❖ Presented industry leading processes to design departments

Virticus Corp. — Mechanical Designer / Production Technician

Beaverton, OR - May 2011 - August 2014

- ❖ Designed weather proof sheet metal enclosures to house electronics
- ❖ Outlined and designed new products using the Solidworks CAD program
- ❖ Collaborated with team members on design requirements
- ❖ Interfaced with manufacturing to streamline processes and ensure quality
- ❖ Updated existing product designs to meet company standards

EDUCATION

Oregon State University — Bachelor of Science in Mechanical Engineering

June 2025

- ❖ GPA 3.15
- ❖ Focus in Robotic Control - SLAM / Kinematics
- ❖ Robotics Lab - OVH Group / Human Robot Interactions
- ❖ Capstone - Robot Comedy (Audience Interaction w/ AI Feedback)

SUMMARY

A recent Mechanical Engineering graduate, with 15+ years of professional CAD experience, I am passionate about making a difference by building innovative technologies. I strive to learn new skills that will enable me to solve interesting problems and craft new systems. I look forward to growing as a part of your team.



portfolio.mwwengineering.org

REFERENCES

Dillon Pratt

Team Manager
910.789.9465

Nathaniel Parker

Design Supervisor
801.885.4078

Ken Salt

Robotics Sales Manager
971.977.5949

Tristan Fuller

National Account Manager
360.910.0063

SKILLS AND PROFICIENCY

- Solidworks
- AutoCAD
- Rhino 3D
- Matlab
- Python
- Javascript
- Salesforce
- DFM
- Manufacturing
- Product Assembly
- Quality Assurance
- Leadership

HOBBIES AND INTERESTS

- 3D Printing
- Wood / Metal Working
- Backpacking / Camping
- Home Automation
- PC Building
- Mixology
- Disc Golfing
- Flight / Driving Sims