

Mitchell Van Wagoner

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portfolio.mvwengineering.org

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.

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