

Stephen Heckman

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Portfolio: www.StephenHeckman.com

ARCHITECTURAL SKILLS

- Currently an online student at Dunwoody College of Technology in their Bachelor of Architecture program, graduating spring of 2027
- Has maintained a 4.0 GPA while also working full time, by managing workflow to meet deadlines and school project milestones for presentations, plans, renderings, infographics, videos, physical models, and research papers for school
- Successfully visually and orally presented projects at various stages of completeness to guest critics and peers in a wholly online and time limited setting and integrated critical feedback into the projects' next phases
- Has hands-on experience in structural welding, light gauge steel framing, sheetrocking (including finishing), plumbing, electrical, painting, and tiling and can create clear plan details for the same.
- Passionate about building science and energy efficiency in buildings using emerging materials and techniques such as Structurally Insulated Panels (SIPS), Insulated Concrete Forms (ICFs), air tightness through Integrated Sheathing (e.g. Zip Systems), fluid applied, or peel-and-stick weather resistive barriers, and continuous exterior insulation.

COMPUTER AIDED DESIGN SKILLS

- Developed a multi-software workflow to create engaging visual media using Photoshop, Illustrator, In-Design, Premier Pro, Revit, AutoCAD, Lumion, Enscape or Rhino each as necessary for the end product
- More than 4 years experience in 3D modeling, Drafting, and BIM concepts in Architectural, Plumbing and Electrical settings and can apply them in multiple software environments including Revit, AutoCAD, and Rhino
- Proficient in creating and modifying all types of parametric families in Revit; including architectural, mechanical, electrical and plumbing families
- Contributed to creating CAD style guides, Revit families, standard details, and templates
- Can quickly apply CAD concepts to new software environments to become proficient and productive
- Self taught basics of SketchUp, FreeCAD, and Blender

GENERAL SKILLS

- Has managed teams of up to 7 people
- Mentored new team members
- Successfully mediated interpersonal conflicts in a leadership role to maintain safe and productive working environment
- Comfortable with standard Microsoft Office applications, Bluebeam, Adobe Acrobat, Google Docs, and Linux desktop and command line environments

EXPERIENCE

Skyline Engineering, Rapid City SD - *CADD/Revit Technician I*

May 2024 - Present

- Creates electrical drawings to engineer's specifications to meet project specific milestones in Revit and AutoCAD, often in a fast paced, deadline driven environment
- Maintains, updates and creates electrical standard details and electrical Revit families to the engineering team's specifications
- Coordinates with the electrical design team, mechanical design team, and client architect as necessary to identify and resolve potential construction conflicts in the design phase

B&T Manufacturing, Rapid City SD - *Production Documents Manager*

March 2020 - May 2024

- Created construction documents for custom pre-manufactured bathrooms and kitchenettes to meet customer's requirements as well as relevant codes
- Coordinated with customer's design team to integrate framing, electrical, and plumbing for premanufactured building components into their building projects
- Created, reviewed, and distributed production documents including plans, elevations, CNC cut files, QC checklists, and schedules to production floor
- Designed Cold Formed Steel (SFS) structures in Framacad Software for production on the Framacad CFS stud roll forming machines
- Assisted in integrating Revit workflow into production of pre-manufactured building components

Rabbit Bicycles, Hill City SD - *Bicycle Mechanic/Shuttle Driver*

May 2019 - October 2019

- Completed self directed work to maintain a fleet of rental bicycles as well as recommend and perform service and repairs on customer's bicycles
- Key holder to the shop that sells George S. Mickelson trail shuttle services, rental bike services as well as merchandise
- Personable guide to those visiting the Black Hills with specific information on the George S. Mickelson Bicycle Trail

EDUCATION

Dunwoody College of Technology - *Bachelor's of Architecture*

August 2024 - Present (Graduating, Spring 2027)

Recognized on the Dean's List for all semesters completed to date

Western Dakota Technical College, Rapid City SD - *Associates of Applied Science Computer Aided Design*

August 2019 - May 2021

Graduated Summa Cum Laude

AWARDS

- South Dakota Gold Medalist 2020 SkillsUSA Mechanical Drafting Competition
- Selected the Outstanding Graduate for the 2021 graduating class from Western Dakota Technical College's Computer Aided Design Program