Wilmer King

Lead Engineer and Project Coordinator · New Heights (maker of Equipter)

will@wilmerking.com · linkedin.com/in/wilmer-king-9b12bb335 · github.com/wilmerking · wilmerking.com

SUMMARY

Solving problems and building better machines with mechanical design, hydraulics and automation. Always learning, optimizing workflows, and exploring productivity improvements through new technology. Building internal tools and agentic AI workflows for team projects.

EXPERIENCE

New Heights (maker of Equipter)

Aug 2020 – present

Lead Engineer and Project Coordinator

Sep 2023 – present

My work centers on mechanical design and project coordination: I coordinate design updates and lead change initiatives across all product lines, including generation release updates for the 7000, the Tow-A-Lift and older models. I also manage control systems and integration.

Engineering Draftsman

Dec 2020 – Aug 2023 · 2 yr 9 mo

I drafted detailed CAD components for new products, with precision and clarity in every drawing. I raised quality standards for parts and assemblies, managed CAD model changes, and carried those changes into production.

Assembly Technician

Aug 2020 – Nov 2020 · 4 mo

I assembled mobile machinery and welded chassis and components on the manufacturing floor, the hands-on foundation for my drafting and engineering roles.

Scenic Ridge Company

Jan 2020 – Jul 2020 · 7 mo

Detailer / Drafter

Jan 2020 – Jul 2020 · 7 mo

I created detailed material cut lists for commercial steel building projects, keeping quotes accurate and efficient, and improved the process for estimating concrete and rebar quantities for building foundations.

SKILLS

Mechanical Design · Project Management · Leadership & Coordination · Hydraulics & Automation · Workflow Optimization · UI & Controls Development · FEA · Internal Tool Development · Agentic AI Workflows

TOOLS (SELF-RATED)

Onshape · CAD modeling · Expert
Asana · Project management · Expert
Figma · UI design · Intermediate
Autodesk Fusion · FEA · Intermediate
Siemens Capital X Panel Designer · Electrical and hydraulic schematics · Intermediate

BUILDS TOOLS IN

C · TypeScript / JavaScript · Python · Swift · Arduino C++

CERTIFICATIONS

Certified Onshape Professional · Nov 2024
Certified Onshape Associate · Dec 2024

EDUCATION

High School Diploma

MACHINES I'VE COLLABORATED ON

Equipter 7000 towable boom handler · Equipter Tow-A-Lift towable forklift

INTERNAL TOOLS AND WORKFLOWS

Real-time stability engine (backend) · Design-to-purchasing handoff (weekly agentic workflow) · Engineering standards reference