

RYAN HEITMANN, P.E.

ELECTRICAL ENGINEER

PROFESSIONAL SUMMARY

I am an electrical engineer who is following my dream by pivoting from designing infrastructure for sports stadia to designing software.

RELEVANT SKILLS / ATTRIBUTES

TEAMWORK AND COLLABORATION

I have always been part of multi-disciplinary teams during my time as an electrical engineer. During this time, I was able to hone my skills at being an effective communicator and team player. My most recent project team was successful because we had clear communication milestones, and we always made time for mentoring and coaching. Most importantly, we were able to cultivate a strong sense of camaraderie which greatly improved teammate collaboration and thus improved production.

PROJECT DELIVERY

The State Farm Arena Renovation was a large and complex project with one of our high-priority clients. I was tasked with providing the overall electrical design and leading our multi-disciplinary engineering team. I coordinated with 20+ consultant teams on a regular basis to stay ahead of any issues and solved problems as they arose. As a result, we delivered a quality product on time, with extremely high owner satisfaction; the COO proclaimed on opening night that State Farm Arena was the finest venue in the entire NBA.

PROBLEM SOLVING

One of my projects involved providing a difficult lighting solution for an NBA arena. The owners requested a specific 'look' during basketball games, however their request could potentially put the project in jeopardy by not conforming to NBA Broadcasting Guidelines. I was determined to deliver a compliant design that would also satisfy the owner's request. Many design iterations later, it became clear that no existing products were up to spec. I contacted a manufacturer and coordinated a custom fabricated light fixture as a solution. The final product achieved the owner's desired aesthetic while also meeting the required guidelines.

PASSION

I have always been interested in programming, but life took me down a different path and I pursued electrical engineering. During the Covid lockdown, I was able to dedicate myself learning programming, and my interest quickly grew into a passion. I knew that it was time to make a career change, so I traded the stability of a steady engineering paycheck for a chance to pursue a new career path in software development.

PROFESSIONAL EXPERIENCE

WEB DEVELOPER | PURE TOUGH GYM | WELLINGTON, NZ

Jun 2020 – Jul 2020

- Successfully promoted myself and secured contract work as an independent web developer
- Collaborated with owner and personal trainers regarding website design, content, and goals
- Executed owner's vision utilizing Wordpress for ease of future maintenance by an owner who isn't knowledgeable with HTML and CSS

CONTACT

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🔗 <https://github.com/RyHmann>

LANGUAGES

C#

PYTHON

JAVASCRIPT

TYPESCRIPT

HTML/CSS

TRANSFERRABLE SKILLS

LEADERSHIP

PROBLEM SOLVING

EFFECTIVE COMMUNICATION

PROJECT MANAGEMENT

STRONG ENGINEERING PRACTICES

EDUCATION

B.S. ARCHITECTURAL ENGINEERING

KANSAS STATE UNIVERSITY
MANHATTAN, KANSAS 2010

CREDENTIALS

LICENSED AND REGISTERED
PROFESSIONAL ELECTRICAL ENGINEER
STATE OF COLORADO

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PROFESSIONAL EXPERIENCE

SENIOR PROJECT MANAGER | ME ENGINEERS | DENVER, CO JUL 2010 – AUG 2019

- Led building services team and designed the power distribution, lighting, and fire alarm infrastructure for numerous \$150M+ projects
- Successfully delivered a high-quality product on-time while simultaneously working on 10+ projects ranging from professional stadia to residential multi-family apartment buildings
- Represented ME Engineers by serving as main point of contact and interfaced with high priority clients on a day-to-day basis for landmark project
- Led a successful engineering team and mentored recently graduated engineers

ELECTRICAL DESIGNER | DBR ENGINEERING CONSULTANTS | HOUSTON, TX Jul 2010 - Jun 2014

- Provided power distribution, lighting, and fire alarm design while drafting in AutoCAD and Revit
- Successfully delivered quality construction documents on time while juggling 15+ projects at a time
- Worked as part of a multi-disciplinary team of engineers

VOLUNTEER WORK

SECTION LEADER | CODE IN PLACE | STANFORD UNIVERSITY Apr 2021 – Present

- Volunteered to lead a small group novice programmers who were enrolled in Stanford's Code In Place course
- Organized weekly meetings with a small group of students to work through problems, answer questions, and solidify programming fundamentals
- Met with Stanford Professors and other Section Leaders to strategize lesson plans and coordinate teaching strategies

VOLUNTEER | KAIBOSH FOOD RESCUE | WELLINGTON Feb 2020 – May 2020

- Worked with a team of volunteer and full-time staff and assisted with procuring donated food from participating grocery stores in the greater Wellington region
- Assisted with sorting and taking inventory of donated food for distribution to various Wellington based organizations serving people in need

HOBBIES & INTERESTS

COOKING

CYCLING (ROAD & MOUNTAIN)

COMPUTER PROGRAMMING

HIKING & TRAMPING

TRAVEL

SOCIAL SPORTS

FOREIGN LANGUAGE (SPANISH)