

MITCHELL T. WILLIAMS

BIOMEDICAL ENGINEER

Riverton, UT | williamsmt@pm.me | 801-834-8593 | linkedin.com/in/williams-mitchell

PROFESSIONAL SUMMARY

Highly motivated professional with 12+ years of combined experience in healthcare and design. Leveraging clinical expertise, research acumen, and automation skills, I excel at developing patient-focused solutions. Recognized for my innovative spirit, I founded Vortex Design, honing my digital skills and fostering an entrepreneurial mindset. University of Utah Biomedical Engineering graduate and "Most Innovative Design" award winner, I seamlessly blend science with creative problem-solving.

SKILLS

Python	MATLAB	R/RStudio	Data Analysis
Biomechanics	Signal Processing	Laboratory Testing	FDA Standards
CAD (Fusion360)	Biomaterials	Technical Writing	Problem Solving

EDUCATION

Bachelor's Degree, University of Utah, Salt Lake City, UT

Undergraduate in Biomedical Engineering with emphasis in Biomechanics.

- Awarded "Most Innovative Design" in the University of Utah Biomedical Engineering Capstone Competition for my project on a motorized stroke hand therapy device.
- Investigated the effect of lower extremity kinematic variability on individuals with heel pain through a 12-month research thesis uncovering key biomechanical relationships.

PROFESSIONAL EXPERIENCE

Medical Assistant, Foot & Ankle Specialists, West Jordan, UT | 2015 – Present

Responsible for patient interaction, supply management, and task automation.

- Streamlined clinic operations in the transfer of patient data to a new EMR system, ensuring accuracy and data integrity.
- Enhanced clinic efficiency by implementing custom Python scripts, automating repetitive tasks and improving workflow by an estimated 15-20%.
- Revamped the clinic's website using modern design principles, boosting online patient engagement.
- Contributed to biomechanics research projects, collaborating with the physician and applying data analysis skills to gain valuable insights into patient conditions.

Owner/Founder, Vortex Design, Riverton, UT | 2020 – Present

Projects ranged from event collateral creation, website design, and application development.

- Established independent graphic design company amidst COVID-19 challenges, securing steady client bases.
- Crafted impactful event posters and banners, engaging target audiences and exceeding client expectations on tight deadlines.
- Successfully modernized the Utah Podiatric Medical Association website, enhancing user experience and increasing site traffic.
- Consistently delivered high-quality design solutions, earning repeat business and maintaining a 100% customer satisfaction rate.