

Daniel T. Knaus

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EDUCATION

University of Arizona

Bachelor of Science in Biomedical Engineering

Cumulative GPA: 3.464 In Major GPA: 3.775

Tucson, Arizona, USA

May 2025

University of Arizona

Master of Science in Biomedical Engineering

Tucson, Arizona, USA

Expected December 2026

SKILLS & CERTIFICATIONS

Technical Skills: Machine Learning Algorithms, Proficient in Microsoft Word, Microsoft Excel, & Microsoft PowerPoint; Eagle CAD, SolidWorks, AutoCAD, Fusion 360; Proficient in Python, MATLAB, & Arduino

Certifications: Power BI Data Analyst Associate, Codecademy Python Certification

Practical Skills: Teaching, Leadership, Project Management, Communication, Critical Thinking

WORK & LEADERSHIP EXPERIENCE

Portillo's Hot Dogs

Line Worker

Tucson, Arizona, USA

June 2025 – Current

- Maintained accuracy and efficiency while preparing orders in a fast-paced environment.
- Provided friendly, attentive customer service and resolved issues to ensure satisfaction.
- Collaborated closely with team members to coordinate orders and meet high customer demand.

University of Arizona

Undergraduate Learning Assistant

Tucson, Arizona, USA

January 2025 – May 2025

- Guided students through project-based learning by clarifying design concepts and providing constructive feedback
- Fostered communication and collaboration skills by mentoring teams throughout the design process

Dr Philipp Gutruf Lab

Undergraduate Researcher

Tucson, Arizona, USA

August 2024 – Current

- Contribute to qualitative research on bipolar single-arm ECG wearable technology for continuous monitoring.
 - Recording ECG with carbon-based electrodes, extracting and manipulating data to remove noise.

Dr. Ying-hui Chou Lab

Undergraduate Researcher

Tucson, Arizona, USA

August 2022 – December 2023

- Contributed to improvement of clinical trials involving transcranial magnetic stimulation for memory improvement in Alzheimer's patients.
- Troubleshoot issues with TMS machine to maintain functionality of the equipment.

Dinolfo's Banquet

Busser

Homer Glen, Illinois, USA

June 2022 – August 2023

- Set up and broke down banquet spaces for events, ensuring cleanliness and attention to detail
- Supported bartenders and kitchen staff by washing dishes, restocking, and clearing glassware
- Maintained a clean and organized event space during service while assisting guest needs

LEADERSHIP EXPERIENCE

WATER BADDIES, Senior Design Team

Team Lead

Tucson, Arizona, USA

August 2024 – May 2025

- Led team in development of novel point-of-care water contaminant testing device
- Presented Poster to ASAIO Conference 2025
- Finalists for 3 awards & awarded the Sharon O'Neal Social Impact Award

Kappa Sigma

Founding Father, Social Chair

Tucson, Arizona, USA

November 2021 – May 2025

- Reestablished the Gamma Rho, Kappa Sigma chapter at the University of Arizona.
- Won 2024 IFC Overall Outstanding Chapter

Medical Device Club

Vice President

Tucson, Arizona, USA

August 2022 – December 2024

- Lead demonstrations on skills important for medical device design to other undergraduate engineers.
- Lead projects incorporating a variety of sensors into practical medical device designs.