

Agustin Perez Chavez

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EDUCATION

University of Michigan

MS in Biomedical Engineering, Advanced Medical Product Development
GPA: 4.00 / 4.00

Ann Arbor, MI

December 2023

Oakland University

BS in Bioengineering
GPA: 3.83 / 4.00

Rochester, MI

December 2020

WORK EXPERIENCE

GE Healthcare

Milwaukee, WI

Quality and Regulatory Development Program Intern

May 2023 – Aug. 2023

- Worked in the United States post-market surveillance portion for GE Healthcare's software modalities.
- By reading and understanding technical documentation (Design History Files, Product Development Plans), created trainings for 18 products aimed to be taken and used by regulatory surveillance personnel, resulting in a productivity boost in their complaint processing.
- Supported complaint handling/oversight and their reportability according to regulatory guidelines outlined by the FDA, ensuring corrective measures were applied as needed.

Oakland University

Rochester, MI

Research Associate – Tissue Engineering

Sept. 2021 – Sept. 2022

- Learned, followed, and optimized a cutting-edge process to grow human stem cells, resulting in a prototype that earned \$100,000 to fund a start-up (MTRAC and NSF Innovation Corps awards).
- Conducted 100+ customer discovery interviews to craft an ideal stakeholder for a device developed in the laboratory by asking about their needs, goals, and constraints. Presented results to entrepreneurial faculty and peers all over the US to build a pathway for product success in the marketplace.
- Showcased technical expertise by designing and presenting two posters for national and international conferences, resulting in collaborations and industry interest.
- Learned, executed, tested, troubleshooted and taught various research protocols with deadlines, resulting in reliable data which was used to acquire resources for funding a new research company, as well as future publications.

PROJECT EXPERIENCE

University of Michigan

Ann Arbor, MI

Advanced Medical Product Engineering and Development Practicum

Sept. 2022 – April 2023

- Participated in an experiential product realization course (design-build-test) with a focus on quality systems, risk management and regulatory structures.
- Worked with an engineering team of 3 to investigate user needs and validation by collaborating with medical professionals in the clinic, while understanding and applying standards such as ISO 14971 (risk management), IEC 62366 (usability engineering), ISO 13485 and 21 CFR Part 820 (Quality Systems).
- Developed and presented a 510(k) pathway to launch a class II biopsy device that allows urologists to retrieve a large, continuous chunk of tissue from the kidney, improving cancer diagnosis results.

SKILLS

Quality and Regulatory, Interpersonal Skills, Time Management, Brainstorming, Leadership, Project Management, Teamwork, Problem Solving, Writing, Presentation, Analytical Thinking, CAD, Data Science