

Angelina Duran

Biodesigner

Contact

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Phone

8189137486

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Skills

Prototype Development
CAD Software Proficiency
(Autodesk Fusion360)
Research Design
3D Printing Proficiency
Interpersonal Communication
Organization and Time
Management
Need Driven Design Oriented
Understanding of Need Finding
and Market Analysis
HIPPA Compliance Training
Knowledge of Python and R

Adept at need finding, and need driven design processes. Skilled in working within collaborative environments to rapid prototype biomedical devices. Extensive background in Cardiovascular biodesign research.

Education

2021-08 -
Current

Bachelor of Science: Product Design Engineering

Stanford University - Stanford
3.5 GPA

Work History

2023-06 -
Current

Stanford BIOX- Biodesign Research Assistant

Dr. Paul Wang, Stanford Dept. Cardiovascular Med. , Stanford , California

- Conducted research to identify and evaluate design flaws in current bench top-heart models in order to prototype improved, accurate iterations to be used to test and further develop novel catheter and sheath designs
- Collaborated with cardiologists to ensure models anatomical accuracy and usefulness
- Assisted in conversion of patient heart scans to viable STL files to be 3D printed for prototype iterations
- Assessed current market of catheter ablation sheaths and their anatomical navigation capabilities in order to develop improved sheaths for epicardial catheter ablation via subxiphoid access approach.
- Trained fellow research assistants how to CAD on Fusion 360 and 3D print medical grade components on FormLab3
- Shadowed cardiologist at Stanford Hospital's Department of Cardiovascular Medicine

2022-07 -
Current

Clinical Research Assistant

Dr. Marco Perez, Stanford Dept. Cardiovascular Med, Stanford, United States

- Conducted research into pathophysiology for cardiovascular diseases
- Managed and updated Stanford research database, REDCAP- cross referenced 100 patient medical records on EHR platform EPIC with last updated information on REDCAP and manually updated accordingly
- Created, organized, maintained, and summarized spreadsheets of patient data related to principal investigator's academic papers

2022-06 -
Current

Seeds of Change Community Leader and Researcher

Stanford VMware Women's Leadership Innovation Lab, Stanford, CA

- Taught interactive leadership curriculum designed by SEEDS team to cohort of 10 high school girls from underrepresented backgrounds and gathered data that contributed to social science research on gender inequity within STEM, leadership interest, and future career paths
- Promoted a sense of unity among diverse populations within the community through inclusive programming