

Project Engineer Project Engineer Project Engineer Pasadena, CA Authorized to work in the US for any employer Work Experience Project Engineer Project Farma - Pasadena, CA August 2018 to Present Validation/Engineering support to client in Phase I/II clinical trials Supported development and execution of validation deliverables: C&Q Plan, Installation Qualification, Operational Qualification, Commissioning Summary Reports, Performance Qualification, and PQ Summary Reports Supported development and execution of engineering deliverables: User Requirements Specification, Functional Specification, Configuration Specification, Standard Operating Procedures Responsible for equipment and computer systems throughout the validation lifecycle Project involved a wide array of systems, including; Biological Safety Cabinets, Microcentrifuges, Centrifuges, LN2 Freezers, Single-Use Bioreactors, Flowcytometers, Cell Counters, Kaye Validator, Particle Counters, HVAC, Isensix Environmental Monitoring System Graduate Research Assistant, Undergraduate Research Assistant Brown University - Providence, RI April 2015 to July 2018 Master s Thesis: Establishing geometric cues for hiPSC-CMs maturation on 2D patterned surfaces Utilized photolithography to fabricate a master with negative patterns as a mold to create poly(dimethyl siloxane) PDMS stamps; analyzed cell attachment; optimized micro contact printing protocol to mature human induced pluripotent stem cell cardiomyocytes (hiPSC-CMs) in polyacrylamide (PAA) gels to mimic developing heart microenvironment Undergraduate Research: Ex-vivo quantification of 3D neovascularization in engineered tissue Produced collagen scaffolds with embedded alginate microspheres for implantation on the rats hearts Prepared and analyzed heart slides using histology to stain connective tissue for collagen and other protein antibodies for imaging under a fluorescent microscope and constructed 3-dimensional images using CellProfiler and ImageJ for explanted healthy rats hearts for quantification analysis Skills Acquired: Histology, Immunohistochemistry, Sterile cell & tissue culture, Fluorescence microscopy, Confocal imaging, ImageJ, MATLAB IT Service Center Technical Assistant Student Manager, IT Service Center Student Consultant Brown University - Providence, RI August 2013 to July 2018 Manage approximately 30 student workers by providing training, schedules, and feedback Provide technical customer support via phone, chat, e-mail, and in

person and offer AV equipment consulting including rental sign-out and check in for students, staff, and faculty Community Coordinator, Community Advisor (Resident Assistant) Brown University - Providence, RI July 2014 to August 2017 Offered programming for ~180 students to support university's goals related to academic development, identity exploration, and leadership development to ensure a holistic college experience for residents Received comprehensive training on a range of skills, including: active listening, crisis intervention, mediation, conflict resolution, promoting pluralism and diversity, and building community Education Master's in Biomedical Engineering Brown University - Providence, RI August 2017 to May 2018 Bachelor's in Biomedical Engineering Brown University - Providence, RI August 2013 to May 2017 Skills Autocad, Word, Scheduling, CAD, GDP, Labview, Matlab, Autodesk, Histology (3 years) Links <https://www.linkedin.com/in/maria-paredes-567b67106> Awards George H. Main 45 Fund Award Winner 2017-05 A premium awarded annually to a senior in engineering who is distinguished by his/her diligence and devotion to studies rather than for high grades and who holds promise of success in his/her field Brown University, Undergraduate Teaching and Research Award (UTRA) Winner 2015-04 Compensation awarded to select students collaborating with Brown faculty on research and teaching projects during the summer or the academic year. Bill & Melinda Gates Foundation, Gates Millennium Scholarship Winner 2013-08 Funding for an undergraduate college education in any discipline area of interest. Continuing Gates Millennium Scholars may request funding for a graduate degree program in one of the following discipline areas: computer science, education, engineering, library science, mathematics, public health or science.

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