Michaela Perez

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VISA STATUS: US Citizen   LOCATION: Richardson, TX

EDUCATION

AUGUST 2017-MAY 2021	**Computer Engineering**, The University of Texas at Dallas

GPA: 3.823

Dean's List: Fall 2017, Fall 2018

Professional Societies:

Institute of Electrical and Electronics Engineers	AUGUST 2018-PRESENT
Society of Women Engineers	AUGUST 2019-PRESENT

EXPERIENCE

Undergraduate Research Fellow   The Center for Power Optimization of Electro-Thermal Systems

Champaign, IL   MAY 2019-AUGUST 2019

- Worked under Dr. Nenad Miljkovic and Dr. Allison Mahvi in the Energy Transportation Research Lab developing a 3D-printed, metal heat exchanger for electric vehicle batteries
- Communicated with professionals, developed a design using SolidWorks, and tested the heat exchanger using LabVIEW
- Delivered a poster and oral presentation at the Illinois Summer Research Symposium, a research letter, and a poster at the 2019 POETS Annual Meeting

Research Intern   The University of Texas Health Science Center at San Antonio

San Antonio, TX   OCTOBER 2016-MAY 2017

- Worked under Dr. HR Rawls within the Department of Comprehensive Dentistry to improve the mechanical properties of dental restorative composites
- Developed basic research skills such as literature review, collaborating with field experts, proposing new research ideas, recording and analyzing data, and interpreting results
- Presented research findings in a formal poster session for the general public and faculty

HONORS

RESEARCH FELLOW:	The University of Illinois at Urbana-Champaign Summer Research Opportunities Program, Summer 2019
OUTSTANDING POSTER AWARD:	Illinois Summer Research Symposium, July 2019
CITATION:	Uvodich, K., Mahvi, A. Perez, M. and Miljkovic, N. Additively Manufactured Heat Exchangers for Electric Vehicle Battery Thermal Management. Poster session presented at the ACRC Industrial Advisory Board Meeting, October 2019. Urbana, IL.

RELEVANT COURSES

Signals and Systems	?	Electrical Network Analysis	A-
Electronic Circuits	?	Electronic Devices	B+
Software Engineering	?	Computer Networks	B+
Electrical and Computer Engineering Fundamentals I Lab	?	Electrical Network Analysis Lab	A
Digital Circuits	A	Advanced Engineering Math	A
Data Structures and Algorithm Analysis	A	Computer Science II	A+

SKILLS

PROGRAMMING	Java, C++, MIPS Assembly, Verilog, MATLAB
APPLICATIONS	SolidWorks, Fusion 360, LogicWorks, LabVIEW, MS Excel, PSpice
OTHER	Microsoft Office, G Suite, LaTeX, Windows, Unix Systems