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: 3.817	
	Dean's List: Fall 2017, Fall 2018	
	Professional Societies:	
	Institute of Electrical and Electronics Engineers	AUGUST 2018-PRESENT
	IEEEUTD The Forge	FEBRUARY 2020-MAY 2020
	Society of Women Engineers	AUGUST 2019-PRESENT
	Operations Chair	APRIL 2020-PRESENT
	Co-founder of Ladies in Tech Mentoring Program	APRIL 2020-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

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

PROJECTS

IEEEUTD THE FORGE	Built a troubleshooting desktop application for the visually-impaired customers of the non-profit Computers for the Blind	SPRING 2020
IC TESTER	Designed a tester to distinguish between AND- and OR-chips and whether they functioned correctly	APRIL 2020
MINI-CPU	Designed a 4-bit mini-CPU which performed 4 instructions (add, AND, OR, NOT) using basic logic gates and flip flops	APRIL 2018

RELEVANT COURSES

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

References Available Upon Request