

Michaela Perez

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VISA STATUS: US Citizen LOCATION: Richardson, TX

EDUCATION

AUGUST 2017- MAY 2021	Computer Engineering GPA: 3.817 Dean's List: Fall 2017, Fall 2018 Professional Societies: Institute of Electrical and Electronics Engineers IEEEUTD The Forge Society of Women Engineers Operations Chair Co-founder of Ladies in Tech Mentoring Program	The University of Texas at Dallas AUGUST 2018-PRESENT FEBRUARY 2020-MAY 2020 AUGUST 2019-PRESENT APRIL 2020-PRESENT APRIL 2020-PRESENT
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EXPERIENCE

Engineering Intern ST. LOUIS, MO (REMOTE)	Ameren MAY 2020-PRESENT
<ul style="list-style-type: none">- Working within Power Operations in the Supervisory Control and Data Acquisition group at Ameren Missouri- Detecting and resolving inconsistencies between the power grid and our monitoring systems to provide our customers reliable energy	
Undergraduate Research Fellow CHAMPAIGN, IL	The Center for Power Optimization of Electro-Thermal Systems MAY 2019-AUGUST 2019
<ul style="list-style-type: none">- Worked under Dr. Nenad Miljkovic and Dr. Allison Mahvi in the Energy Transportation Research Lab using SolidWorks and LabVIEW to design and test a 3D-printed, metal heat exchanger for electric vehicle batteries- Communicated the needs and findings of the project with a wide-range of professionals during development and at the Illinois Summer Research Symposium and the 2019 POETS Annual Meeting- Found that DMLM results in highly variable, rough and porous microchannel heat exchangers	
Research Intern SAN ANTONIO, TX	The University of Texas Health Science Center at San Antonio OCTOBER 2016-MAY 2017
<ul style="list-style-type: none">- Worked under Dr. HR Rawls in the Department of Comprehensive Dentistry to improve the mechanical properties of dental restorative composites- Collaborated with field experts, analyzed collected data, and presented findings at a formal poster session	

SKILLS

PROGRAMMING	Java, C++, MIPS Assembly, Verilog, MATLAB
APPLICATIONS	SolidWorks, Fusion 360, LogicWorks, LabVIEW, MS Excel, PSpice
OTHER	Microsoft Office, G Suite, L ^A T _E X, 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

References Available Upon Request