

EDUCATION

University of Central Florida	Expected year of graduation: 2021
- Bachelor of Science in Computer Engineering	GPA: 3.879
- Bachelor of Science in Electrical Engineering	GPA: 3.879

RELATED EXPERIENCES

- IEEE Eta Kappa Nu	
- Admin of Institute of Electrical and Electronics Engineers (IEEE) Honor Society	January 2021
Student Laureates of STEM Teaching and Learning	
- Vice President of Registered Student Organization (RSO) at University of Central Florida	October 2019
IEEE Eta Kappa Nu	
- Supplemental Learning Chair of Institute of Electrical and Electronics Engineers (IEEE) Honor Society	September 2019
- Inducted member	January 2019
Computer Hardware Innovation and Design Association (CHIDA)	
- Secretary of this Registered Student Organization at University of Central Florida	September 2019
- President and Founder	January 2019
Amateur Radio License (General Class License)	November 2018
Society of Women Engineers Student Member	August 2017
Institute of Electrical and Electronics Engineers Student Member	June 2017

EXPERIENTIAL LEARNING

NSF Research Experience for Undergraduates (REUs)	January 2021
- Undergraduate Research Assistant for an NSF funded project for REUs at University of Central Florida Computer Architecture Laboratory	
NSF Research Experience for Undergraduates (REUs)	August 2019 – May 2020
- Undergraduate Research Assistant for an NSF funded project for REUs at University of Central Florida Computer Architecture Laboratory	
IEEE Southeastern Conference (SECon-2019)	April 2019
- Presented a research poster at IEEE Southeastern Conference in Alabama, USA	
Undergraduate Researcher Assistant	August 2018 – Present
- Computer Architecture Laboratory at University of Central Florida	
- Topic: Effect of Noise on Memristor-based Crossbar	
- Mentors: Dr. Ronald DeMara (faculty mentor) and Ramtin Zand (graduate mentor)	
RAMP Scholar at University of Central Florida	August 2018 – Present
- Scholar in the Research and Mentor Program (RAMP), a program designed to provide undergraduate students with research experience while working closely with a faculty mentor	

PUBLICATIONS

IEEE Southeastern Conference (SECon-2019)	April 2019
- Author: Noise Sensitivity Analysis of Deep Belief Networks: A Monte Carlo Simulation for Memristive Crossbars	

JOB EXPERIENCES

SoC Pre-Silicon Validation Undergraduate Intern at Intel Corporation	May 2020 – December 2020
- Wrote Python scripts for temperature sensing on 10nm technology for Xeon Performance Group	
- Created scripts that provide controllability and observability into architectural model of 10nm technology	
- Validated temperature injections by analyzing test results to see specific temperatures	
- Created checkers to validate and optimize temperature sensors	
- Made sure that the created checkers compared model behavior against specifications	
- Ran Power Management Regression Test	
- Collected data from team members for weekly result presentations	

HONORS AND AWARDS

College of Engineering and Computer Science (CECS) at University of Central Florida Scholarships	August 2019 – May 2020
- AT&T Wireless Endowed Scholarship	
- The Kris and Bill Sammons Engineering Scholarship	
College of Engineering and Computer Science (CECS) at University of Central Florida Scholarships	August 2019 – May 2020
- Daniel D. Hammond Undergraduate Scholarship	
Burnett Honors College Scholar at University of Central Florida	May 2017 – Present

TECHNICAL SKILLS

Hardware Description Languages: Verilog

Programming Languages: C, Assembly, Python

Design and Verification Tools: HSPICE, Vivado, EAGLE

Operating Systems: Windows, Linux
