J.P. Moore

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EDUCATION

Texas A&M University, College Station **Expected Graduation: May 2025**
BS, Computer Engineering, Minor, Mathematics GPA: 3.92
Certificate in Holistic Leadership
Relevant Coursework: Computer Architecture, Advanced Computer Architecture, Data Structures and Algorithms, Electrical Circuit Theory, Topics in Applied Mathematics

WORK EXPERIENCE

Texas A&M RSW Memristor Lab **Aug. 2023 – Present**
Student Technician *College Station, TX*
- Paid undergraduate research position under Dr. Suin Yi in the memristor algorithms subgroup.
- Working with applications of memristor crossbar array ASICs as Resistive Random Access Memory. (RRAM)
- Developing training algorithms for RRAM machine learning hardware accelerators to optimize for size, speed, and power.
- Using TensorFlow in Python to compare neural net compression techniques for MNIST classification.
- Simulating linear algebra calculations on memristor crossbar arrays in MATLAB.

Code Ninjas **Jun. 2021 – Aug. 2021**
Instructor *Dallas, TX*
- Taught classes of about 12 middle school aged students game development in JavaScript.
- Researched, prepared, and taught supplementary lessons about technology concepts such as 3D Printing, Boolean logic, and hexadecimal color representation in RGB and CYMK.

Mike's Chicken **Jun. 2021 – Aug. 2021, Jun 2022 – Aug 2022**
Cashier *Dallas, TX*

EXTRACURRICULARS

Zachry Leadership Program – Cohort H **January 2023 - Present**
- Joined the ZLP, a highly selective (8% acceptance) 5 semester program at Texas A&M operated by the university and Zachry Group which educates a cohort of 32 engineering students per class year on leadership, business, and service with the intent of broadening the students' perspectives and preparing them for life after graduation.
- Discussed leadership and organizational tactics with executives from Zachry Group.
- Studied the free enterprise system under a professor from Mays Business School.
- Gave presentation on the business model and PR strategies of ExxonMobil.

UK ECEN Abroad Computer Architecture Program **Summer 2023**
- Took courses in computer architecture from former Intel professors of practice in Edinburgh, Scotland.
- Designed and simulated a single cycle ARM v8 processor in Verilog.
- Visited, toured, and attended technical and business lectures at ARM and Cirrus Logic.

SKILLS

- **Skills:** Computer Architecture, Verilog, ARM Assembly, C++, Python, Linux, Machine Learning, MATLAB

AWARDS & HONORS

- IEEE Eta Kappa Un Candidate
- Dean's Honor Roll – Spring 2022, Fall 2022, Spring 2023
- Texas A&M President's Endowed Scholarship
- National Merit Semifinalist
- Xerox Award for Innovation and Information Technology