Michael Zhao

880 W. Peachtree St. NW Atlanta, GA 30309 | 781-5306950 | zhaojinghao79@gmail.com | Permanent Resident

Objective

Electrical Engineering and Applied Mathematics junior with experience in data analysis, robotics, and engineering coursework. Seeking Spring 2027 co-op and Summer 2027 internship opportunities in semiconductor, power, and energy engineering.

Education

Emory–Georgia Tech 3+2 Dual Degree Program — *Expected Graduation: May 2028*

Georgia Institute of Technology | Atlanta, GA — **August 2026 – Present**
B.S. in Electrical Engineering

Emory University | Atlanta, GA — **August 2023 – May 2026**
B.S. in Applied Mathematics and Statistics; B.A. in Economics
GPA: 3.88

Skills

Programming: Python, C, C++
Hardware: timers, PWM, DC motor
Software: Keil µVision 5, MATLAB, Tableau
Languages: English (native), Chinese (native) , Korean (beginner), Russian (beginner)

Experience

NextTier | Sacramento, CA — *June – August 2025*
Data Analyst Intern

- Segmented 10K+ customer records by purchase frequency, recency, and monetary value to identify loyal and high-value user cohorts for targeted campaigns.
- Designed and executed A/B tests to evaluate personalization strategies.
- Built interactive Tableau dashboards and reports.

PricewaterhouseCoopers | Hangzhou, China — *May – June 2024*
Accounting Analyst Intern

- Prepared 4 audit reports and presentations, improving clarity and effectiveness of financial insights.
- Consolidated tax and revenue data in order to help the team conducted asset valuation and financial assessments using Excel.
- Assisted in on-site inspections and due diligence reviews, validating financial statements for target companies.

Emory University | Atlanta, GA — *September 2025 – May 2026*
Student IT Assistant

- Supported IT operations across Emory University by assisting with equipment setup, software installation, and system updates.
- Troubleshot 100+ computer, peripheral, and software setup issues, documenting problems for future service requests.

Projects

500g Sumo Wrestling Robot — *September 2026 – Present*

- Contribute to C++ firmware development for a 500g autonomous sumo wrestling robot on the RoboWrestling electrical team.
- Contribute to PCB design in KiCad, including component selection, schematic capture, board layout, and routing.

Relevant Coursework

Intro Signal Processing: Discrete-time signals and linear systems; sampling and aliasing; convolution, frequency response, and FIR/IIR filters; MATLAB audio and image processing
Circuit Analysis: DC/AC RLC and op-amp circuits; Kirchhoff's laws; nodal and mesh analysis; superposition and Thévenin/Norton equivalents; transient, phasor, Bode plot, and power analysis
Machine Learning: Regression and classification; cross-validation and regularization; decision trees, random forests; PCA

Leadership

Emory Robotics Club | Vice president — *January 2026 – May 2026*