CAMERON GORDON

Boston, MA • (858) 413-6322 • Cameron.Gordon.Eng@gmail.com • linkedin.com/in/gordonca • www.camerongordon.io

Results-driven Electrical Engineer (M.S. ECE) with professional experience delivering mission-critical hardware. Led receiver/exciter integration for a $2.2B program at Raytheon and designed analog and digital circuits released to manufacturing at Tesla. Strong analytical communicator with a track record of working effectively both independently and with a team. Seeking advanced defense/aerospace roles.

PROFESSIONAL EXPERIENCE

RAYTHEON — Woburn, MA

Electrical Engineer P2, Receiver Exciter & Back End Processing — Jan 2025 – Present

- Led system integration of receiver exciter hardware & software upgrade on $2.2B radar program
- Validated 512 system design requirements through executing custom acceptance test procedure
- Collaborated with firmware, software, and system engineering teams to resolve identified design flaws

REDWIRE SPACE — Marlborough, MA

Hardware and Embedded Software Engineering Intern — May 2024 – Aug 2024

- Designed a low-cost, highly scalable production analog sun sensor circuit for LEO satellites
- Developed calibration algorithm written in Python and C++ to automate quadrant photodiode tuning
- Wrote documentation detailing system requirements, thermal analysis, and part derating specifications

LIBERTY DEFENSE — Wilmington, MA

Altium Design Engineering Consultant — May 2023 – June 2023

- Built unified RF part library in Altium Schematic and PCB Designer; saved 350+ engineering hours/year
- Created and validated 25 impedance-controlled RF IC symbols & footprints for next generation scanner

TESLA — Palo Alto, CA

Display Electrical Engineering Co-op — Jan 2022 – Aug 2022

- Redesigned display circuit board for Model 3/Y/S/X production cars; schematic, layout, & validation
- Resolved reliance on end-of-life, supply-chain-constrained integrated circuits through a new design
- Optimized circuit board mass-production validation, cutting validation time and boosting throughput 15%

FRESENIUS MEDICAL CARE — Lawrence, MA

R&D Electrical Engineering Co-op — Jan 2021 – Aug 2021

- Developed custom embedded device for automated validation; reduced high-speed bus noise by 75%

EDUCATION

NORTHEASTERN UNIVERSITY — Boston, MA

M.S. Electrical & Computer Engineering (4.0 GPA) – 2024
B.S. Electrical Engineering (Summa Cum Laude) – 2023

- Directed 8 undergraduates through 3 hardware/software projects for Formula SAE electric vehicle club
- Secured 1st Place Electric Vehicle award at the IEEE Formula Hybrid+Electric 2021 Competition

TECHNICAL SKILLS

Systems: Root Cause Analysis, Requirement Validation, Design Documentation, Release to Manufacturing
Hardware: Analog & Digital Circuit Design, RF Design, Signal Integrity, Embedded Hardware Debug
Software: Altium Designer, C/C++, Python, MATLAB, PSpice, Git, Jira, Confluence, AI/LLMs