CAMERON KRAMR

RF & Embedded Electrical Engineer

📞 832-370-8131   @ CameronKramr@gmail.com   CameronKramr   ✉ Houston Tx, 77043   in CameronKramr

PRIOR PROJECTS

Software Defined Radio (SDR) Transceiver

Rice University, Modern Communications Course

📅 Aug. 2022 - Dec. 2022

- Developed SDR algorithm to send & receive data wirelessly
- Implemented simplified Wifi stack
- Implemented QAM, BPSK, DQPSK, & other modulation techniques

Data Scraper

Rohde & Schwarz

📅 Dec. 2021 - Feb. 2022

- Built tool in python to extract data from dirty source
- Analyzed over 20,000 lines of dirty Excel data in python
- Used insights from data to improve project designs

BLDC Motor Controller

Colorado School of Mines, Capstone Project

📅 Jan. 2020 - Dec. 2020

- Designed & tested multiple custom PCBs
- Wrote SV-PWM motor controller in embedded C
- Implemented EMF position detection using ADCs & DMA

EMPLOYMENT HISTORY

Systems Architect

Rohde & Schwarz

📅 Mar. 2021 – Aug. 2022 – Dallas, TX.

- Developed projects post-sales from design to delivery to training
- Conducted design reviews for customer approval
- Supported teammates for flexible resource deployment

RF Design Intern

Lockheed Martin RF Center of Excellence

📅 Jun. 2020 – Aug. 2020 – Littleton, CO.

- Applied RF principles to design devices
- Verify designs in simulation & present results to team

EDUCATION

M.S. Electrical Engineering

Rice University

📅 Aug. 2022 – Dec. 2023 – GPA 3.6

B.S. Electrical Engineering

Colorado School of Mines

📅 Aug. 2018 – Dec. 2020 – GPA 3.7

Associates of Science

Lone Star College

📅 Aug. 2015 – May. 2018 – GPA 4.0

Associates of Arts

Lone Star College

📅 Aug. 2015 – May. 2018 – GPA 4.0

SKILLS

Electrical Skills

`AVR` `PIC` `ARM` `Spice` `RF Design` `PCB Assembly` `Hand Soldering` `Debugging`

Computer Skills

`C` `C++` `Python` `Lua` `Linux` `GNUMake` `LaTeX` `GIT` `MS Office`

Design Skills

`KiCAD` `MS Visio` `AutoCAD` `Ansys` `HFSS` `Maxwell 3D`

ACHIEVEMENTS

🎓 **Deans List Student**
Colorado School of Mines

🎓 **Deans List Student**
Lone Star College

🏆 **Eagle Scout**