

# CAMERON KRAMR

## RF & Embedded Electrical Engineer

📞 832-370-8131

@ CameronKramr@gmail.com

🌐 CameronKramr

🏠 CameronKramr

✉ Houston Tx, 77043

## EMPLOYMENT HISTORY

### EMC Systems Architect

#### Rohde & Schwarz

📅 Mar. 2021 – Aug. 2022 – Dallas, TX.

- Secured over \$1,000,000 in projects with customer sign-off
- Finalized sales design concept into detailed drawings
- Conducted design review for project drawings with customer

### RF Design Intern

#### Lockheed Martin RF Center of Excellence

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

- Wrote Python scripts to automate HFSS RF design simulation
- Designed K-band cross-over board ahead of schedule

## PRIOR PROJECTS

### Xilinx Matrix Solving Accelerator

#### Rice University, Advanced Digital Design Course

📅 Aug. 2022 - Dec. 2022

- Developed IP blocks using Xilinx Vivado workflow
- Solved for matrix inverse using QR Decomposition
- Implemented Given's rotation using custom CORDIC block
- Composed multiple custom IP blocks into system

### Embedded Amplifier Controller

#### Rohde & Schwarz

📅 Nov. 2021 - May. 2022

- Enabled use of amplifier core to project
- Programmed custom task scheduler on AVR platform
- Implemented industry standard remote protocol over TCP
- Collaborated with co-workers using GIT

### BLDC Motor Controller

#### Colorado School of Mines, Capstone Project

📅 Jan. 2020 - Dec. 2020

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

## 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 & 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 Parametric CAD  
Autodesk Inventor

## ACHIEVEMENTS

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

🎓 **Deans List Student**  
Lone Star College

🏆 **Eagle Scout**