

# CAMERON K. KRAMR

## RF & Embedded Electrical Engineer

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🌐 CameronKramr

## PRIOR PROJECTS

### Wireless Power Receiver

#### Rice University, Research Project

📅 Jan. 2023 - Jul. 2023

- Designed & assembled PCB for fine-pitch BGA components
- Developed bare-metal C drivers for Q1 chip over I2C
- Developed ncurses GUI for HUD over UART

### Embedded Amplifier Controller

#### Rohde & Schwarz

📅 Nov. 2021 - May. 2022

- Programmed custom task scheduler on AVR platform
- Implemented HTML server
- Implemented industry standard remote control 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 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.

- Use 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**