

CAMERON KRAMR

RF & Embedded Electrical Engineer

📞 832-370-8131

@ CameronKramr@gmail.com

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✉ 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

Wireless Power Receiver

Rice University, Research Project

📅 Jan. 2023 - Jul. 2023

- Designed & assembled complicated PCB for BGA components
- Developed bare-metal C drivers for QI chip over I2C
- Developed ncurses GUI for HCI over UART

Software Defined Radio (SDR) Transceiver

Rice University, Modern Communications Course

📅 Aug. 2022 - Dec. 2022

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

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

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**