

BRANDON MARKHAM

ELECTRICAL ENGINEER

CONTACT

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PROFILE

Electrical Engineer with a strong background in circuit design, embedded systems, and signal processing. Experienced in hardware and software integration and PCB design. Passionate about applying engineering principles to real-world applications, including medical devices, audio processing, and embedded systems development.

SKILLS

Circuit design and analysis

Embedded systems (STM32, Arduino)

PCB design (KiCad, Fusion360)

Signal Processing (Python, MATLAB)

Machine Learning (Python)

Programming (C, C++, Python)

EXPERIENCE

Estate Manager/Caregiver

January 2018 - Present

Managed financial, legal, and personal affairs following my late mother's passing while providing full-time care for my disabled father. Oversaw financial and estate matters, including budgeting, debt resolution, and asset management. Navigated legal processes, coordinated with attorneys, and ensured compliance with probate requirements. Provided daily caregiving, medical coordination, and household management. Demonstrated strong organizational skills, financial literacy, crisis management, and the ability to handle complex legal and personal responsibilities simultaneously.

Research Assistant – University of Texas

Aug 2021 – Sept 2022

Supported laboratory operations by preparing biological samples, assisting with experiments, and ensuring accurate data collection. Maintained lab equipment, sterilized glassware, and managed inventory to ensure seamless research activities. Prepared stock solutions, media, and agar plates while adhering to strict safety and regulatory protocols. Handled hazardous waste disposal in compliance with Environmental Health & Safety (EHS) regulations and conducted radiation surveys to ensure lab safety. Demonstrated strong attention to detail, safety compliance, and proficiency in laboratory procedures.

EDUCATION

Texas State University

B.S in Electrical and Computer

Engineering