

Eric Mutton

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EDUCATION

The University of Texas at Dallas

Bachelor of Science in Computer Engineering

Richardson, TX

Aug. 2020 – Present

EXPERIENCE

UTDesign Makerspace Officer (Facilities Lead)

The University of Texas at Dallas

October 2021 – Present

Richardson, TX

- Created and hosted technical, academic, and professional workshops
- Supported student and graduate research projects
- Engage with design teams and student organizations
- Established a robust logistics system for managing lab tools and equipment such as 3D printers and CNC machines
- Maintained and contributed to the organization's information systems and resources
- Designed, monitored, and implemented safety procedures and protocols for proper lab use

Coding Instructor

Code Ninjas

July 2019 – July 2020

Cedar Park, TX

- Mentored K12 students interested in computer programming and computer science
- Applied and explored industry-standard practices using tools and curriculum adapted for young learners
- Built confidence in learners and teachers alike in the form of student-oriented workshops and camps

PROJECTS

Technology Aggregate Resource Project (TARP) | *JavaScript, HTML/CSS, Docker* October 2021 – Present

- Establish an platform for learning Engineering and Computer Science (ECS) concepts
- Design concept demonstrations using Math Animation (Manim)
- Implement dynamic content tooling for ease of resource creation and manipulation
- Develop data-driven level design tooling for dynamic resource propagation and delivery

TECHNICAL SKILLS

Languages: Java, Python, C/C++, JavaScript, TypeScript, HTML/CSS, Rust, MATLAB, Haskell, L^AT_EX

Frameworks: Reactjs, Brigadier (mcfunction)

Tools: Linux, Git, Docker, VS Code, JetBrains Toolbox, Replit, Node.js

Libraries: Discord.py/.js, MongoDB, OpenCV, pandas, NumPy, Matplotlib