

John Graham

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<https://kirk-jgraham3.github.io/index.html>

Relevant Skills

- **Programming languages:** Python, C++, C#, Java, HTML, JavaScript
- **Technical Skills:** GitHub, PostgreSQL, Firebase, Unity, Algorithm Implementation, Full Stack Web Development, Documentation, Raspberry Pi, CAD and 3D Printing
- **IDE:** Visual Studios, Eclipse
- **Operating Systems:** Windows, Linux (Ubuntu, Manjaro, and RedHat), iOS
- **Soft Skills:** Creativity, Adaptability, Collaboration, Communication

Projects

Simulated Point Of Sale System

Texas A&M

Worked with a team to develop a full-stack web application using React, Node, and Express. Implemented SQL database for menu items and inventory management. Integrated APIs for additional functionality and accessibility features. Deployed and hosted the project on Render.

Maze Maker

Personal

Developed a command line Python program that generates mazes from binary files using Kruskal's or DFS algorithms. Implemented an A* Search algorithm to find the most efficient path through the maze. Users can navigate and play through the maze intuitively with keyboard controls.

Personal Website

Texas A&M

Linked in the resume header. This website mostly contains information already found in this resume, but it expands on some highlights. The page showcases basic CSS and HTML skills. It is hosted by GitHub Pages.

Relevant Work Experience

Idea Lab Kids

Houston, TX

STEM Summer Camp Instructor

06/2021-09/2021

- Led instruction for children ages 4-12, teaching computer skills, programming basics, and project management through Roblox Studio and Minecraft Forge projects.
- Developed lesson plans with a focus to influence creativity and problem-solving skills.

In this role, I facilitated engaging and educational experiences, fostering a passion for technology and cultivating essential skills in young learners.

Education

Texas A&M University
B.S. in Computer Science

College Station, Texas
May 2024
GPA: 3.1

