

One Small Step: Apollo Guidance Computer Emulator

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Overview

One Small Step is a web-based simulation of the Apollo 11 mission and an emulation of the Apollo Guidance Computer.

Main goals

- Emulate the AGC
- Simulate Apollo 11 mission procedures through a virtual DSKY interface
- Visualise spacecraft trajectories in real-time using orbital mechanics
- Simulate the Earth, Moon, and spacecraft system in a 3D environment

Tech Stack

React.js, JavaScript, Node.js, Python, Rust

