

# Rhett Applestone

## Education

The University of Alabama - Tuscaloosa, Alabama

Bachelor of Science in Electrical Engineering

May 2027

Minor: Mathematics

4.0/4.0 GPA

Presidential Scholarship, Engineering Leadership Scholarship, Honors college

## Experience

*MIT Intern*, Dept. Nuclear Science and Engineering at MIT, Cambridge, MA

May 2024 - Aug 2024

- Designed Geiger boards and kit (to be sold by The American Nuclear Society)
- Safe handling of radioactive material and high voltage
- Communicated with manufactures for custom Geiger tube production

*Physics Researcher*, The University of Wisconsin-Madison, Madison, WI

Jun 2021 - Jan 2024

- Interfaced Scanning Probe Microscopes with haptic control software and hardware
- Achieved greater haptic resolution for Atomic Force Microscopes and Scanning Tunneling Microscopes than previously possible

*Head Architect / Backend Engineer*, Sha2git.com, Virtual

Feb 2023 - Jul 2024

- Designed layout, functionality, and security for Git repository hosting service
- Improved knowledge of SHA-256 secured Git and usage

*Data Analyst Intern / It*, Vesper Realty Advisors, Boston, Massachusetts

Aug 2023 - Dec 2023

- Procured data for real estate analysis in the Boston area
- Communicated with clients and facilitated real estate transactions

## Skills

- Altium, Kicad, Eagle, ESP-32, Arduino, Raspberry Pi, Fusion360, Freecad, Soldering
- Linux, Git, Python, Golang, C, C++, Bash, LabVIEW, SSH, Vim, Micro
- HTML, CSS, JS, Inkscape, PostgreSQL, Amazon AWS EC2 and Route 53
- Windows, Excel, Costar, MLS, CRM

## Research Work

- Published in Ultramicroscopy Scientific Journal: Conducted at UW-Madison  
<https://www.sciencedirect.com/science/article/abs/pii/S0304399123001730>

## Certification/Licensure

- Merchant Mariner Credential + TWIC + Medical Cert
- Open Water Scuba Diver