

# TRISTAN M. STUART

## SOFTWARE ENGINEER

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**Providing the best solutions to the worst problems**

## EXPERIENCE

### Software Engineer

June 2022 - Present

National Aerospace Solutions (Tullahoma, Tennessee)

- Developed science applications focused on physics simulation and modelling with Numpy and Scipy
- Mentored by engineers of various disciplines to increase my understanding of the science behind applications developed by the team
- Optimized and developed GUI's for applications originally programmed by Aerospace engineers
- Rewrote/wrapped legacy tools developed in the 70's to allow Engineers to use them in modern interfaces such as Python3

### Web Developer

April 2021 - June 2022

Old Hickory Buildings LLC. (Remote, Murfreesboro, Tennessee)

- Developed and maintained a 3D barn builder using Vuejs, Threejs, and Tailwindcss with a PHP and SQL backend
- Provided customer support to users having issues with the website
- Reported several fishing and whaling attempts to supervisor and administrator

### Dishwasher • Prep • Server • Drive-thru

2016 - 2019

Jim'n'Nick's BBQ (Remote, USA)

- Diligently worked on other kitchen duties while remaining focused on my custodial role
- Volunteered to assist others when business was slow
- Attained TABC License

## PROJECTS

- Homelab Virtual Machines to perform all professional and school related tasks
- Github repositories to sustain a portable workflow across systems
- Homelab Containers/VMs to practice administrative work
- Automated resume generator in Golang

## EDUCATION

- Bachelors of Science, Computer Science, Mathematics minor, Middle Tennessee State University, 2021, 3.6 GPA (4.0=A)

- Masters of Science, Computer Science, University of Tennessee Knoxville, (August 2023 - ~2025)

## SKILLS

- Linux/UNIX Systems Architecture and Administration
- System Software Design and Development
- Scripted Automation
- Terminal User Interface (TUI) Specialization
- Programming Language Agnostic

## KEYWORDS

Linux • Ubuntu • Debian • Red Hat • Containers • Podman • Docker • Virtual Machines • VMWare • Virtual Box • UNIX • Terminal (TUI) • Command Line (CLI) • Secure Shell (SSH) • TCP/IP • UDP • Sockets • HTTP • SFTP • Go (golang) • Java • Perl • Python • Bash • POSIX Shell • C • C++ • C# • gdb • gcc • HTML • CSS • JavaScript • PHP • Websockets • NodeJS/NPM • Threejs • Tailwindcss • Vuejs • SQL • YAML • JSON • XML • TOML • Markdown • Pandoc • curl • Vim/Vi • VSCode • TMUX • screen • Lynx • w3m • Git • GitHub • GitLab