

NATHAN DAVID

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EDUCATION

UNIVERSITY OF ALABAMA AT BIRMINGHAM

Bachelor of Science
Major in Computer Science

Birmingham, AL
Expected Dec 2028

VESTAVIA HILLS HIGH SCHOOL

Highschool Diploma with Academic Endorsement
Relevant Coursework: AP Computer Science Principles, PLTW Cybersecurity, PLTW IT Fundamentals

Vestavia Hills, AL
Aug 2020 - May 2024

WORK EXPERIENCE

SIMPLE TECH (Small business that repairs technology such as computers and smartphones)

Freelance Software Developer

Homewood, AL
May 2024 - Present

- Developed and deployed a responsive website from scratch with SSL security and a relevant domain name that serves as the front page and advertising face of the Simple Tech small business

Assistant Tech Intern

Sep 2022 – May 2024

- Diagnosed and repaired various technologies with software or hardware problems, misconfigurations, or other issues with reported positive customer satisfaction
- Engaged with customers productively and issued general advice concerning best software and hardware usage practices
- Responsible for successfully issuing effective and robust strategy planning and recommendations for task-completion

WORK PROJECTS

SIMPLE TECH CENTRAL WEBSITE

Jun 2024

- Developed a user-friendly and resolution responsive webpage (<https://simpletechalabama.com>) from scratch using HTML and CSS for mobile and desktop view for client to showcase and advertise the small technology business: Simple Tech

PERSONAL PROJECTS

PERSONAL PORTFOLIO WEBSITE

Jun 2024

- Created a desktop and mobile responsive website (<https://www.nathan06.com>) from scratch primarily in HTML and CSS
- Features projects to demonstrate ability in software development and ability to contribute well in a professional setting

UPSTREAM LINUX 6.1 LTS FORK FOR COOL PI ROCKCHIP ARM64 DEVICE HARDWARE

Aug 2024

- Sole developer of the only currently existing latest upstream Linux 6.1 series long-term support kernel with full hardware support for the ARM64 Cool Pi CM series Rockchip devices (e.g. Cool Pi CM5 NoteBook v20, single-board computer, etc)
- Actively follows upstream as well as SOC manufacturer and device-specific patches, at times patched for compatibility
- Exists on a self-hosted, custom-configured Git repository: <https://www.thesourcevaultproject.com/git/explore/repos>

THE SOURCE VAULT PROJECT FOR ARM/ARM64 DEVICE HARDWARE

- Created a self-directed, independent project aiming to provide Linux solutions: <https://www.thesourcevaultproject.com>

ADDITIONAL

Technical Skills: Advanced in HTML, CSS, Git, Apache Subversion/HTTP Server, Microsoft Windows, Apple macOS, Linux (e.g. Red Hat Enterprise Linux, Ubuntu, Debian), Unix (Oracle Solaris) Bash/Shell script; Proficient in JavaScript, Docker; Beginner in C

Languages: Fluent in Spanish, English

Training: Online Bootcamp in JavaScript, HTML, and CSS (Freemote)

REFERENCES

Pedro Martin

Supervisor and Owner of Simple Tech

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Justin Davenport

PLTW Cybersecurity/IT Fundamentals Teacher at Vestavia Hills High School

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Keith Beard

Dual Enrollment English Teacher at Vestavia Hills High School

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