Kade Angell

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EDUCATION

Utah State University   *May 2025*
Bachelor of Computer Engineering
- Dean's List Academic Achievement Award
- 3.5 GPA
- Minors in Consulting, Mathematics

PROFESSIONAL EXPERIENCE

Utah State University Satellite Team   *August 2021 - Present*
Software Systems Engineer
- Trained and led a team of new Software Engineers on cross-compiling for embedded systems
- Created testing and development infrastructure using Docker containers to emulate ARM64 architecture
- Competent in NASA's Jet Propulsion Laboratory's F-Prime flight software framework

Utah State University Dept. of Mathematics and Statistics   *February 2022 - Present*
I.T. Administrator
- Performed network administration duties on Windows Server, CentOS, Ubuntu Server
- Maintained and developed departmental website in compliance with ADA guidelines using Bootstrap, HTML
- Provided technical support to 100+ students and faculty members

Utah State University Surplus Sales   *October 2021 - February 2022*
Computer Technician
- Upgraded, repaired, and disposed of 100+ university computers
- Provided expertise and assistance to customers with technical questions
- Trained new employees on best practices of data disposal using a custom Linux image

PROJECTS

GASRATS - 3U Cube Satellite   *Spring 2022 - Present*
- Worked as a Software Systems Engineer, developing embedded software in C++
- Implemented testing and development procedures using Docker and Git
- Developed driver and manager components for I²C, SPI, UART
- Responsible for developing a Watchdog circuit and protocol on an ESP-32
- Consulted on Electrical, Comms, and Mechanical portions of the satellite
- Coordinated DNS privileges, managed hostnames

Real-Time Chat Application   *Summer 2022*
- Built backend in Node.js
- Implemented Websockets with Socket.io
- Used Express.js for routing
- Developed frontend using custom HTML, CSS, and JavaScript
- Deployed on custom server running Ubuntu 22.04

Portfolio Website   *Summer 2021*
- Built in pure HTML, CSS, and JavaScript with no frameworks
- Hosted as a static website on GitHub pages
- Developed a game using JavaScript to interact with canvas elements

SKILLS

C++	Server Administration	TCP Protocol	C	Linux
F-Prime		JavaScript	CSS	Bootstrap
Node.js	HTML	Express.js	Python	MySQL
Graphic Design	Svelte.js	Debian	Git	Docker
DNS	BASH	Project Management	Multithreading	React.js
FTP	SFTP	SSH	VMs	Arduino