

# JEFFREY WOODS

## Skills

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- **Go**
- **Python**
- **Rust**
- **AI/Copilot**
- **Azure Cloud**
- **Cloudflare**
- **Ubuntu Server**

## EXPERIENCE

### Software Developer, Utah Valley University — 2023 - Present

- Built back end of AI-powered tutor for undergraduate students
- Saved \$4000/month by identifying and closing unneeded cloud services
- Tuned system prompt for adept tutoring skills and jailbreak protection

### Software Engineering Intern, Breeze Airways — Summer 2022

- Built Flight Information Display System for our Provo airport terminals
- Coded resilient pilot tools (eg. passenger info) for spotty connectivity

### Full Stack Intern, Arivo — Winter 2022

- Squashed bugs and fulfilled client requests for Go-powered FinTech app
- Reduced auto loan approval process to thirty seconds for max throughput

## PROJECTS

### Compiler - Senior Capstone

- Compiles a C-like language to 4380 Assembly (RISC architecture)
- Custom lexer and recursive-descent parser, implemented in Rust

### <https://dash.jwoods.dev> - Personal

- Pure Go, Progressive Web App optimized for native feel on mobile
- Tuned PubSub design scales to zero for efficient resource usage
- Session-based authentication, PostgreSQL database, static asset caching

## EDUCATION

Utah Valley University — BS, Computer Science - 2025  
GPA: 3.93