

# Ethan Flow

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## EDUCATION

### Oregon State University

Bachelor of Computer Science

- GPA: 3.85

Corvallis, OR

June 2025

## EXPERIENCE

### Implementation Consultant

Aug. 2025 – Dec. 2025

FAST Enterprises

Des Moines, IA

- Partnered with Iowa Department of Transportation to assess operational needs, configure systems, and deliver tailored software solutions
- Developed, tested, and deployed system functionality using tools such as C# .NET, and PostgreSQL to meet client specific requirements, and both Iowa and Federal Law
- Troubleshooted and resolved technical issues, ensuring smooth project delivery, clear client communication, and adherence to data confidentiality policies

### Job Site Supervisor / Lead Mover

Aug. 2023 – Jul. 2025

Beaver Town Movers

Corvallis, OR

- Supervised and directed members to perform job site duties
- Ensured clear communication with customer and members to ensure job site fluidity and efficiency
- Maintained a safe and collaborative work environment

### Software Engineering Fellowship

July. 2024 – Sept. 2024

Headstarter AI

Remote

- Built various AI projects utilizing Next.js and various AI models
- Engaged in hands-on coding and collaborative projects, enhancing problem-solving skills and teamwork
- Received mentorship and real-time feedback from industry professionals, improving my technical skills

## PROJECTS

### Foodable | Go, PostgreSQL, Next.js, React, TypeScript, Docker, Tailwind

- Developing a backend-driven food social platform with users, recipes, posts, and social interactions
- Designing relational PostgreSQL schemas for follows, feeds, likes, and comments with transactional consistency
- Implementing REST API in Go for content creation, feed retrieval, and external service consumption
- Planning integrations with third-party delivery services (e.g., DoorDash) to link social food content with real-world ordering

### Playlist Partner | React, TypeScript, Node.js, Vite, MongoDB, Redux, Axios

- Developed a full-stack application for filtered playlist creation from existing playlists using the Spotify API
- Designed and integrated a MongoDB-backed data layer to persist user sessions, playlist metadata, and filtering preferences
- Used Axios to handle HTTP requests to backend serverless API functions

### Flashcard AI | React, Typescript, Next.js, Node.js, Tailwind, Firebase, Clerk.js, Stripe, OpenAI

- Developed Full Stack application for flashcard generation through a custom REST API layer leveraging OpenAI, Next.js, and React
- Integrated user authentication and route protection utilizing Clerk.js
- Implemented pricing options and payment methods with Stripe

## TECHNICAL SKILLS

**Languages:** TypeScript, JavaScript, Go, SQL, Python, C/C++, C#, PHP, HTML, CSS, Kotlin

**Frameworks & Libraries:** React, React Native, Next.js, Node.js, Vue.js, Express.js, Tailwind, .NET, Flask, Jest

**Databases & Cloud Services:** PostgreSQL, MongoDB, MySQL, AWS, Supabase, Firebase

**Developer Tools:** Docker, Linux, Git, Github Actions, Cypress, Android SDK