Chrysostom Adams

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EXPERIENCE

CoolVines, ***Application Developer and Technical Support*** **—** ***Sep 2018 – Aug 2020***

CoolVines is a set of New Jersey based retail wine stores focused on reducing the intimidation that buyers may feel when presented with the numerous qualities a wine may have.

- Built tool to generate printable shelf-talkers by pulling product data from POS system, replacing manual design process and eliminating handwritten labels across ~200 SKUs (Python, MongoDB)
- Built sales analysis tool that replaced manual reporting, giving leadership clear visibility into margins and product performance for weekly vendor negotiations (Node.js, Neo4j)
- Oversaw migration of POS system across 3 locations from end-of-life Microsoft RMS, training sales staff to ensure uninterrupted operations
- Reconstructed 6 months of accounting records and resolved overdue supplier invoices, eliminating frequent COD payment requirements and restoring standard payment terms

Wine Sherpa, ***Software Developer*** **—** ***Feb 2016 – Sep 2018***

Wine Sherpa was a startup app that would allow users to discover and purchase new wines, while enabling vendors to develop a closer relationship with their customers.

- Built iOS app enabling users to receive curated wine recommendations from personal "sherpas," message them for guidance, and place orders directly in-app (Objective C)
- Developed web platform enabling sherpas to manage client relationships, affiliated stores to fulfill orders, and customers to browse and purchase (PHP, Laravel, JavaScript)
- Designed backend API powering all apps and web platform, handling auth, orders, messaging, and automated email notifications across customers, stores, and sherpas (PHP, Laravel, MySQL)

PROJECTS

Spider –
A distributed system to give users agency over digital services. Each user operates their own node, and controls it via an app. (Rust, Dart/Flutter)

- Base coordinates peripherals (UI apps, background services, IoT devices) and connects to peers
- Designed so new services can be built as peripherals without modifying the core platform

WaveFunctionCollapse solver –
An implementation of the wave function collapse algorithm, written with generics to allow different parts of the solver to be customized. (Rust)

- Can generate constraints from an example image, or use custom constraints
- With the correct custom constraints, can solve a sudoku

Routing Chord –
An implementation of the chord protocol, adapted to route data between nodes instead of storing key value pairs. (Rust/Tokio)

- Data passes through aliases that add encryption layers, providing sender/receiver anonymity
- Unidirectional design; bidirectional communication requires each peer to establish a listening address

EDUCATION

Recurse Center – *Participant* Fall 2025
Rochester Institute of Technology – *B.S. Applied Arts and Sciences* Grad. 2024