IAN DRAVES

(970) 817-4249 ∘ Fort Collins, CO
ian.draves@colorado.edu ∘ linkedin.com/in/iandraves ∘ github.com/iandraves

EDUCATION

Bachelor of Arts in Computer Science, University of Colorado Boulder — May 2025
GPA: 3.95 — Relevant courses: Data Structures, Computer Systems, Discrete Math

EXPERIENCE

Software Developer — Feb 2022 — Present
Blueprint Boulder — *Boulder, CO*

- Used React Native to successfuly build and deploy a hotline app for the Colorado Immigrant Rights Coalition.
- Added multi-language support with i18n library, allowing for quick translation between English and Spanish.
- Implemented the Public Resource page from a Figma wireframe, creating various custom React components.

PROJECTS

Social Media Dashboard (React, Sortable.js) GitHub

- Created a responsive social media dashboard, using React and vanilla CSS for dynamic and styled components.
- Implemented light and dark color themes, using localStorage to make the selected color theme persistent.
- Made dashboard interactive with Sortable.js for draggable components and CSS animations for two-sided cards.

Note Taker for Debate (JavaScript, HTML, CSS, UIKit) GitHub

- Created speed focused note taker for competitive debate using vanilla JavaScript.
- Used UIKit for modern, minimal, and focused component design and web-page animations.
- Implemented keybindings as a primary way of interacting with the web app for efficient end-user control.

Wikipedia Degrees of Separation Calculator (Python, Wikipedia API) GitHub

- Created a script to calculate the degrees of separation between any two Wikipedia pages in real-time.
- Optimized real-time search with multi-directional concurrency using Python's concurrency module.
- Crawled and searched for Wikipedia pages using Wikipedia's Python API.

Implicit Bias Deliberate Re-association Engine (JavaScript, HTML, CSS, UIKit) GitHub

- Created a re-association web app in JavaScript inspired by Harvard's "Weapons" Implicit Association Test.
- Implemented modern and responsive user interface with UIKit for an intuitive user experience.
- Successfully created complex interactivity without HTML5 Canvas and deployed site to GitHub pages.

Evidence Collection Script for Debate (Python, BeautifulSoup) GitHub

- Created Python script to automate the task of downloading evidence for debate from OpenEvidence.
- Scraped the OpenEvidence website with BeautifulSoup to automatically find and download docx files.
- Optimized download rate with multi-threading using Python's threading module.
- Used by my debate team in the 2021 season when we made nationals for the first time in over a decade.

TECHNICAL STRENGTHS

Languages JavaScript (proficient), Python (proficient), C++ (proficient), Go (familiar), Rust (familiar)

Tech/Concepts React, Node.js, Bootstrap, UIKit, Linux, Git, GitHub, Data Structures, Algorithms, OOP