# Ari Wisenburn

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## Relevant Work Experience

**Software Development Intern,** Zocdoc - Manhattan, NY Jun – Aug 2022

- Led a project from conception to successful roll-out. Authored comprehensive technical documents evaluating how a new feature would fit into the product's existing architecture, identifying potential technical challenges and proposing solutions for team discussion.
- Coordinated across teams to create and implement a prioritized list of feature flags used to analyze customer traffic. Visualized website traffic through Datadog metrics dashboards for teams and stakeholders to track key performance indicators (KPIs) related to feature usage and customer behavior.

**Full Stack Co-op Engineering Intern,** Wind Talker Innovations - Silver Spring, MD Jan – Aug 2021

- Developed production-level internal performance testing tool for the company's flagship product. Reduced testing time by 85% and inspired merge of test scripts into actual product features.
- Collaborated on an effort to create and execute an Automated Lab using Docker and Ansible, drastically reducing the hardware costs for onboarding engineers.

**Intern,** Black River Systems Company - Utica, NY (Remote) May – Aug 2020

- Programmed a continuously updating user interface to handle collection, processing, and visualization of various RF data (GPS, Wi-Fi RSSI, and SDR signals) which allowed for more thorough data capture and gave field testers the ability to amend and verify tests on the fly.

## Education

**Rochester Institute of Technology**
Rochester, NY, 2018-2022
B.S. Computer Science, *cum laude*

## Labs & Projects

**Wine and Food Pairing Algorithm**

- Design and populate MySQL database by scraping and parsing information from wine and flavor websites
- Parse recipes to extract important flavor and texture features, generate heuristics based on ingredient combinations and cooking techniques, and query for matching notes and coordinate

**CACM Research Retrieval System**

- Wrote a weighted query retrieval system in Python to parse a collection of journal titles and abstracts, returning the papers with the top relevancy scores of both conjunctive and disjunctive queries.

**Clue Game Simulator**

- Built upon predesigned board structure by introducing five agents and one "smart" agent to play Clue against each other. Created algorithms for agents to move around and make ideal decisions regarding accusations, resulting in a correct winning accusation ~95% of the time.

## Skills

**Languages:** Python, SQL, Java, Javascript, C, C++, C#, Assembly
**Software/Libraries:** Git, Postman, Docker, Ansible, APIs, Pandas, Scikit, JSON, Cypress, MATLAB, AWS, Excel
**Hardware:** Raspberry Pi, Arduino, SDRs, Jetson Nano, oscilloscope, multimeter, signal generator

## Honors, Awards, and Memberships

Dean's List Fall 2018 - Dec 2022
RIT Honors Program, Member Fall 2018 - Dec 2022
'Most Innovative' project for Personal Safety App, Women in Computing (WiC) Hacks March 2020