# Ari Wisenburn

✉ wisenburnari@gmail.com    📞 570.575.1358    🌐 ariwisenburn.com

github.com/arinotsorry    https://www.linkedin.com/in/ari-wisenburn/

## Skills

| Backend | Frontend | Testing | Other |
|---------|----------|---------|-------|
| ▪ Java | ▪ React | ▪ CI/CD | ▪ Git |
| ▪ Python | ▪ Javascript | ▪ Unit testing/TDD/BDD | ▪ Docker |
| ▪ SQL | ▪ Typescript | ▪ Metrics analytics | ▪ Ansible |
| ▪ C, C++ | ▪ HTML/CSS | ▪ Test Automation | ▪ FPGAs |
| ▪ REST APIs | ▪ GraphQL | (Selenium, Cypress) | ▪ Verilog/VHDL |

## Education

**Rochester Institute of Technology**
Rochester, NY, 2018-2023
B.S. Computer Science
  Minor Electrical Engineering
  Honors program
  *Cum laude*

## Work Experience

**Full Stack Intern**, Zocdoc - Manhattan, NY                                          Jun – Aug 2022
- Managed a React-based user flow redesign from inception to roll-out using Agile methodologies. Authored comprehensive technical documents assessing existing Storybook components and React states. Made strategic recommendations for which features and metrics to implement. Updated components and rewrote Typescript files, leading to a ~77% flow completion rate.
- Implemented TeamCity CI/CD pipeline, which verified extensive unit tests and Cypress UI tests. Established an Optimizely experiment using feature flags and A/B testing to direct and analyze consumer traffic.
- Analyzed page metrics information to visualize website traffic through Datadog metrics dashboards.

**Full Stack Co-op Engineering Intern**, Wind Talker Innovations - Silver Spring, MD              Jan – Aug 2021
- Built and maintained the flagship product's production-level internal performance testing tool. Modified Java REST API endpoints in conjunction with JavaScript test script development to collect network performance data asynchronously. Reduced testing time by 85% and extended the tool's capabilities to become a user-facing feature.
- Automated Docker-Compose image and container creation using Ansible, drastically reducing the hardware costs for onboarding engineers and scaling testing capabilities by two orders of magnitude.

**Intern**, Black River Systems Company - Utica, NY (Remote)                              May – Aug 2020
- Programmed a user interface to handle collection, processing, and live heat-map visualization of RF data (GPS, Wi-Fi RSSI, and SDR signals), which allowed for complete data capture and gave field testers the ability to amend and verify results as they were collected.

## Labs & Projects

**Personal Website**                                                              Mar – May 2023
- Constructed an SPA from scratch using React, Typescript, CSS, HTML, and an external UI library.
- Implemented CI/CD pipeline using GitHub Actions to verify build functionality and deploy the Firebase-hosted website

**Wine and Flavor Search Engine**                                                Jan 2023 – Mar 2023
- Automated Python script with Selenium and BeautifulSoup to automatically scrape multiple wine and flavor webpages for over 10,000 rows of data. Designed a robust MySQL database schema to house wine and flavor information. Developed a Python script to automate data cleansing, table creation, and database population, streamlining the data import process.

**Machine Learning Classification Labs**                                          Aug 2022 – Dec 2022
- Utilize Numpy, Pandas, Scikit-learn, and Tensorflow Python libraries to implement and compare the following classification models: least squares, k-nearest neighbors, random forest, linear squares, support vector machines, linear and Gaussian kernels, multi-layer linear models (with and without rectified linear unit), and multilayer convolutional models.

**Personal Safety Android App**                                                        Feb 2020
- Constructed a personal safety Android application using Android Studio, Kotlin, and Java. Implemented GPS location tracking and SMS features to notify the public safety line if directly prompted or if the failsafe user interaction timer runs out.
- Awarded the Most Innovative Project title at WiC Hacks 2020 for the app's unique features, implementation, and presentation.