

Chris Farber

cfarber@purdue.edu | <https://linkedin.com/in/chris-farber> | github.com/farbs03 | chrisfarbs.com

EDUCATION

Purdue University

Bachelor of Science in Computer Science (3.83 GPA)

August 2022 - May 2026 (Expected)

West Lafayette, IN

RELEVANT COURSEWORK

Computer Science: Java Programming, C Programming, Data Structures & Algorithms, Computer Architecture, Systems Programming, Competitive Programming, Data Mining & Machine Learning

Math: Linear Algebra, Statistics, Calculus III, Differential Equations

EXPERIENCE

National Transportation Consultants

Intern

June 2023 - August 2023

Fishers, IN

- Built and trained an AI model with Azure to automate field detection and extraction in client documents.
- Designed and developed a React web app to interface with the AI model.
- Coordinated with CEO and software development team to integrate model into company's operations.

Primary Record

Intern

June 2022 - August 2022

Fishers, IN

- Collaborated with company founders to create AI web app to extract and categorize text on prescription labels.
- Deployed as a feature in company's main app.

PROJECTS

Computing Navigation Trends in Island Communities | *Python, GIS*

January 2024 - Present

- Developing quantitative computer models of archaeological and paleoclimate data as part of a research project.
- Presenting results for a research conference in Hawaii during May 2024.

Analysis of Online HPV Vaccine Hesitancy | *Python, Reddit API, pandas, NLP*

September 2023 - Present

- Created a script to collect data via Reddit's API from HPV-related subreddits as part of a research project.
- Devised research plan to classify data based on sentiment and analyze differences in keywords across sentiments.

Boilerexams | *React, React Query, TypeScript, Tailwind CSS*

September 2023 - Present

- Working with 15+ others to recreate the Boilerexams website, used by 4000+ Purdue students for exam prep.
- Designed and developed "Resources" page, enabling students to access external resources for a given course.

Lightning and Wildfires | *Python, pandas, GIS, PyTorch*

August 2022 - May 2023

- Collaborated with a group to analyze satellite imagery to predict whether a lightning strike will cause a fire.
- Conducted research on applying spatiotemporal analysis via machine learning to predict fire patterns.
- Led machine learning team.

Incentiva | *React, Mongo DB, Material-UI, Flask, Python, scikit-learn*

March 2021 - September 2021

- Developed task manager website with built-in AI which assesses what type of task increases happiness.
- Integrated features such as a Pomodoro timer and rich text editor for note-taking with OCR capabilities.
- Won Congressional App Challenge and was a finalist in the Community AI Fair Hackathon.

TECHNICAL SKILLS

Languages: Python, Java, C, C++, JavaScript, TypeScript

Frameworks: React, Node.js, Tailwind CSS, Flask, Material-UI, PyTorch

Developer Tools: Git, Google Cloud Platform, Microsoft Azure, VS Code, PyCharm, IntelliJ

Libraries: pandas, NumPy, Matplotlib, TensorFlow, scikit-learn