

# CHRISTOPHER A. SIDAROUS

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## EDUCATION

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### University of Pittsburgh

*Expected May 2025*

B.S in Computer Science and B.S in Data Science

Spring 2024 GPA: 3.50/4.00

#### Coursework

- Data Structures & Algorithms, Machine Learning, Data Science, Cloud Computing, Web Development

## SKILLS

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**Languages:** Java, Python, JavaScript, C, SQL, R, HTML, CSS, Lua

**Frameworks/Technologies:** Retrieval-Augmented Generation, GCP, Next.js, Firebase, Scikit Learn, Data Bricks, React

**Other Skills:** Machine Learning, Data Analytics, Data Cleaning, Data Visualisations, Agile Methodologies

## EXPERIENCES

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### University of Pittsburgh

*August 2022-Present*

*Undergraduate Teaching Assistant (UTA)*

*Pittsburgh, PA*

- Lead recitations in classes such as Intro to Computer Programming & Intermediate Programming taught in Java.
- Facilitate office hours (~7 hours/week) and host a recitation section to help students with course questions.
- Elaborate on concepts to enhance understanding and provide test taking skills.

### ThermoFisher: Supply Chain Data Analytics

*January 2024-April 2024*

*Capstone, University of Pittsburgh*

*Pittsburgh, PA*

- Developed and deployed machine learning models using Python and scikit-learn, improving accuracy of part lead time predictions for ThermoFisher, contributing to enhanced supply chain forecasting.
- Led a team of 4 students in an Agile environment, ensuring on-time delivery of project milestones through effective sprint planning and task prioritization.
- Performed data cleaning, exploration, and visualization on datasets, resulting in more reliable model performance.

### Lavner Education

*June 2022-August 2023*

*IT Intern*

*Lower Gwynedd, PA*

- Taught Java, Lua, and other tech skills to students via web, app, and game development.
- Delivered educational content to classes of 6-10 students, ages 6-14, in both a group and one-on-one settings.
- Facilitated with the setup and maintenance of 40 on-site computers hardware, software, and connectivity.
- Provided ongoing troubleshooting and technical support to staff and students.

## PROJECTS

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### PathFinder AI *Personal*

*August 2024*

- Developed and integrated OpenAI-powered chatbot, providing personalized career coaching and job search assistance to over 50 users by processing resume feedback and generating relevant career advice.
- Implemented Retrieval-Augmented Generation to enhance real-time resume feedback capabilities.
- Collaborated on designing user-friendly interfaces using React and Material UI, improving user experience.

### Flash Genie *Personal*

*August 2024*

- Developed AI-powered flashcard generation feature, personalizing study material for over 100 users by dynamically adapting content based on user performance and learning patterns.
- Implemented Firebase for real-time database and authentication, storing and managing user-generated flashcards.

## ORGANIZATIONS

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**Computer Science Club at Pitt** *Developer (Pitt API)*

*June 2024-Present*

**Philly Community Wireless (PCW)** *Data Science Volunteer*

*June 2024-Present*

**Coptic Orthodox Youth Association at Pitt (COYA)** *Vice President*

*September 2021-Present*