

JADEN FRIMPONG

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EDUCATION

University of Virginia, School of Engineering and Applied Science

Charlottesville, VA

B.S. Computer Engineering

Expected Graduation May 2027

GPA: 3.96

Relevant Coursework: Data Structures and Algorithms I, Computer Systems and Org. I, Discrete Math and Theory I

SKILLS AND CERTIFICATIONS

- Programming Languages: Python, Java, TypeScript, SQL
- Frameworks and Tools: Next.js, Docker, TensorFlow, OpenCV
- Programming Foundations with JavaScript, HTML and CSS, Coursera (Duke University)
- Python and Pandas for Data Engineering, Coursera (Duke University)
- Scripting with Python and SQL for Data Engineering, Coursera (Duke University)

RELEVANT PROJECTS

Building and Deploying a Next.js Portfolio

June 2024 – Present

- Developed a Next.js portfolio using TypeScript, JavaScript, CSS, and Dockerfile, demonstrating full-stack development skills.
- Implemented React components and state management for dynamic user interactions and a responsive design.
- Utilized Next.js features such as server-side rendering and static site generation for improved performance and SEO.
- Visit my portfolio for more details and to see completed work: [Jaden's Portfolio](#).

Lightbulb Image Classifier

August 2024 – Present

- Developing a machine learning model to classify images of lightbulbs into various categories, such as LED, incandescent, and fluorescent.
- Creating a web application where users can upload images of lightbulbs to identify the type and receive a URL for purchasing the identified lightbulb.
- Visit my Github repo for more details and to see completed work: [GitHub Repository](#).

UVA Engineering Foundations Project

March 2024 – May 2024

- Evaluated and selected optimal solution for improving interaction tracking at Charles L. Brown Science & Engineering Library.
- Developed Python script to export Outlook calendar data to CSV file for streamlined upload to LibInsight, a system that the librarians input their interaction data into.
- Employed pandas library for data manipulation to meet LibInsight specifications.

WORK EXPERIENCE

Mathnasium, Math Instructor, Leesburg, VA

July 2022 – August 2023

- Facilitated group tutoring sessions, enhancing students' ability to work together and approach mathematical problems from various angles.
- Explained complex mathematical concepts in areas such as Algebra, Geometry, Precalculus and Calculus 1 in a clear and accessible manner.
- Balanced the needs of multiple students simultaneously, demonstrating strong organizational skills and the ability to prioritize tasks effectively.