Summer 2024 Tech Internship at Jarus Technologies

Keshav Narasimhan

College Park Scholars – Science & Global Change Program
Computer Science
knarasim@terpmail.umd.edu
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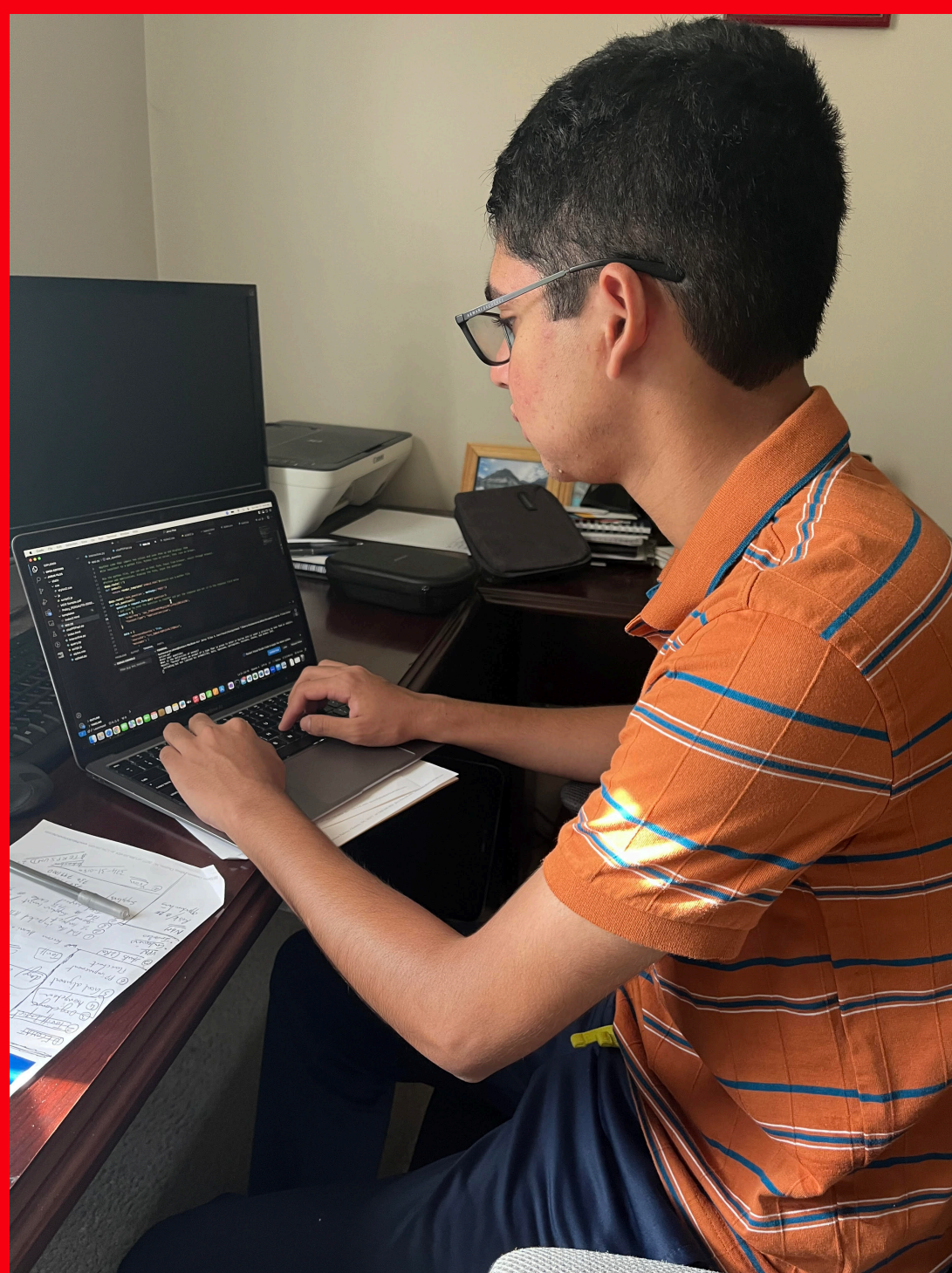
Introduction

Jarus Technologies was looking for ways to use AI to process and analyze insurance claim documents. The company wanted to provide a platform for users to input their extremely long pdfs and have AI answer questions about the document. My work provided a roadmap for this product.

Impact:

My work provides a template for Jarus to launch a product that analyzes claims documents in pdf form. My research also recommends Jarus to possibly use ChatPDF's apis going forward. As for me, I got to learn a lot about APIs, AI, and application development. These skills will be valuable for my computer science future.

Me working on using the APIs to communicate with ChatPDF

Site Information:

Name of Site: Jarus Technologies

Address: Foster Plaza Building 10, Suite 420

680 Anderson Dr., Pittsburgh, PA

Supervisor: Sundar Vallinayagam

Site mission:

Providing Software products for insurance companies

Activities:

Researched multiple AI document processing services

Recommended ChatPDF to be the most accurate

Implemented code to communicate to ChatPDF's APIs

Developed a web application using JavaScript/HTML/CSS that displayed PDFs with highlighted text and answers from the AI
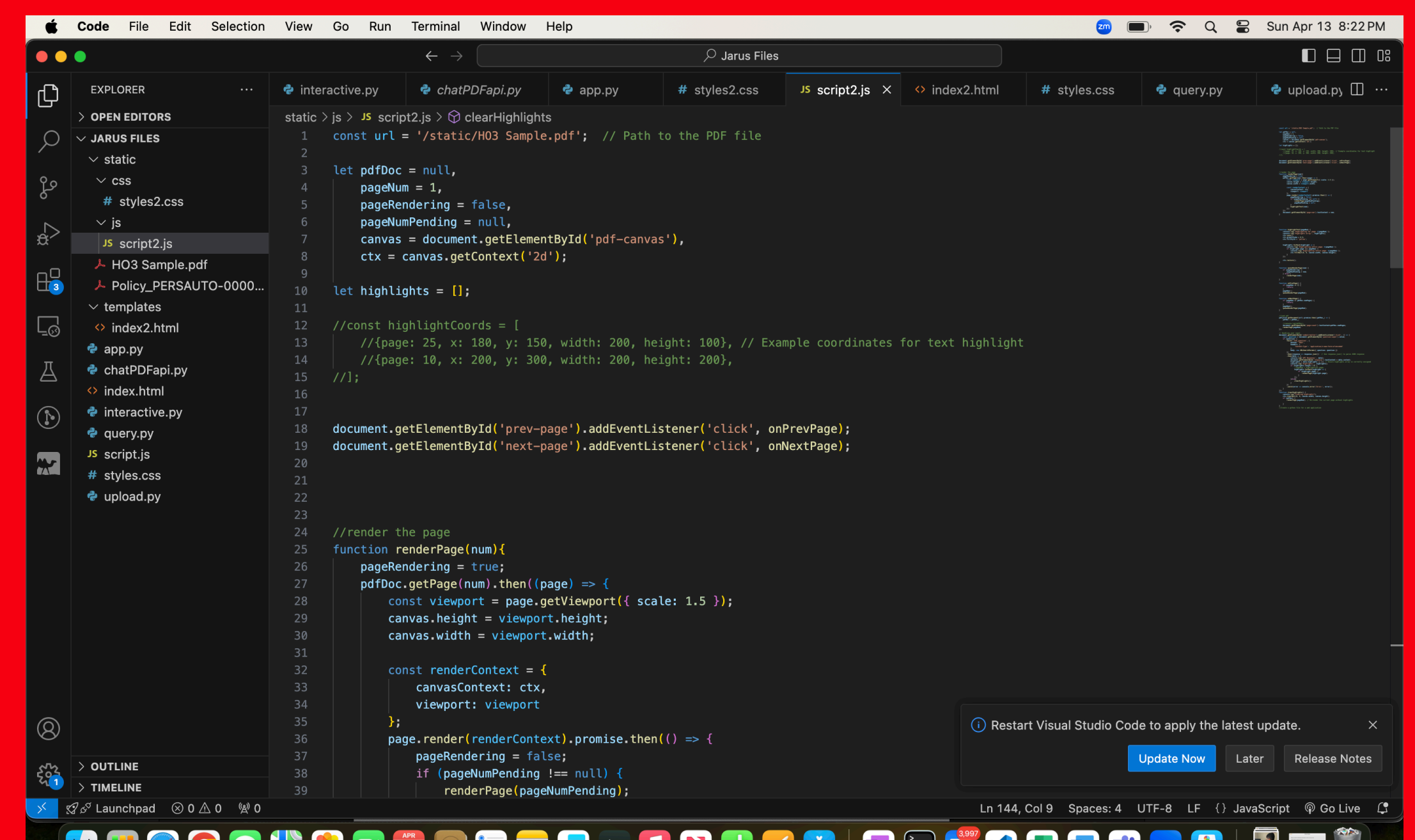
Technologies Learned:

In order to provide the best work for Jarus, I had to learn a few different languages, frameworks and libraries. These include the following:

-Python/REST APIs

-HTML/CSS

-JavaScript/pdf.js/Flask

Sample JavaScript Code

Future Work:

My work will help Jarus Technologies venture into the world of providing tech services to analyze claims documents. This allows the company develop new products and expand its business going forward. Since Jarus uses Angular on frontend and C# on the backend, the code I provided will have to be converted to those languages to be integrated into Jarus' tech stack. Nevertheless, my code provided a roadmap for what Jarus can do with claims going forward.

Acknowledgments:

Thank you to Sundar Vallinayagam, the CEO of Jarus Technologies, for an incredible first introduction to tech world

Additonally, thank you to Dr. Holtz and Dr. Merck for a wonderful 4 semesters of climate change learning and understanding