

Sriram Iyer

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EDUCATION

UNIVERSITY OF PITTSBURGH

BS IN COMPUTER SCIENCE

MINOR IN JAPANESE

Expected April 2020 | Pittsburgh, PA

Cum. GPA: 3.73

Dean's List (F16, S17, S18, F18, S19)

LINKS

GitHub: RamIyer1998

Website: sriramiyer.me

Blog: sriramiyer.me/blog

COURSEWORK

UNDERGRADUATE

- Discrete Structures in Computer Science
- Data Structures
- Introduction to Systems Software
- Algorithm Implementation
- Linear Algebra
- Calculus I-III
- Introduction to Computer Vision
- Blockchain Technology and Cryptocurrency
- Programming Languages for Web Applications
- Introduction to Human-Computer Interaction
- Introduction to Operating Systems*
- Introduction to Computer Graphics*

*In Progress

SKILLS

LANGUAGES

Extensive:

Java • Python • HTML/CSS

JavaScript

Familiar:

TypeScript • C • MATLAB

TECHNOLOGIES

Git • NumPy • \LaTeX • Docker

Fetch • React • Requests • Django

BeautifulSoup • PyTorch

HACKATHONS

Games4Health (Oct 2017)

Pitt Challenge (Jan 2017)

4th TNGL Weekend (Feb 2017)

SteelHacks (Feb 2017)

EXPERIENCE

CERNER CORPORATION

SOFTWARE INTERN

May 2019 - August 2019 | Malvern, PA

- Implemented a client-hosted back-end system using **Spring Boot** and **Fetch** for an application with a premade front-end
- Built a **Docker** container for the engine that runs many of Cerner's applications
- Expanded test coverage for the aforementioned front-end application using **Selenium**

UNIVERSITY OF PITTSBURGH (TOPIC EXPLORER)

APPLICATION PROGRAMMER

March 2018 - Present | Pittsburgh, PA

- Tasked to go through **JavaScript**, **HTML/CSS**, and **Python** code to debug certain issues to make the Topic Explorer more user friendly
- Altered the appearance of the application to make it more comprehensible to the user
- Scraped hundreds of documents from the Library of Congress for use in research projects using **Python** with **BeautifulSoup** and **Requests**

UNIVERSITY OF PITTSBURGH (IT DEPARTMENT)

IT SUPPORT TECHNICIAN

October 2016 - Present | Pittsburgh, PA

- Provide base level IT support to non-technical personnel within the University
- Consistently maintain and upgrade hardware and software in labs and public offices

PROJECTS

AMADEUS CHEAP FLIGHT FINDER

- Basic web application that finds cheap flights using the Amadeus Low-Fare Flight Search API
- Written in **TypeScript** and **Python** using **React**, **Django**, and **Amadeus**

ARTIC COMPUTER VISION PROJECT

- Computer vision model that discerns the artist of a work of art based on a corpus of high definition public domain images scraped from the Chicago Institute of Art's website
- Scraper was written in **Python** with **BeautifulSoup** and **Requests**
- Working on the model in **Python** with **PyTorch** and **FastAI**

HOUSING HELPER

- Small program written for keeping track of the addresses, prices, and size of every apartment that I visit
- Utilize heaps so that I can quickly see the apartment with the largest square footage or the apartment with the lowest cost
- Written in **Java**

NERO

- Multipurpose bot written for the Discord voice/text messaging platform to stream music from YouTube
- Written in **Python** using **Discord.py**