

Jeffrey Fernandez Software Engineering Student

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📁 projects - GitHub

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🖱️ Jeffreys Portfolio

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🧠 SKILLS

python	● ● ● ● ●	Data Analysis	● ● ● ● ●
HTML and CSS	● ● ● ● ●	JavaScript	● ● ● ● ●
AWS Cloud Computing	● ● ● ● ●	SQL Data Bases	● ● ● ● ●
Database Management	● ● ● ● ●	Self taught programmer	● ● ● ● ●
Problem Solving	● ● ● ● ●	Communication	● ● ● ● ●
Creativity	● ● ● ● ●	Math	● ● ● ● ●

📁 PROFESSIONAL EXPERIENCE

Introduction To Web Development, Student

05/2020 – 08/2021 | South Ozone Park, New York

- Made personal Website with online group for personal competition.
- Developed user interfaces with modern JavaScript frameworks, HTML5, and CSS3.
- Used content creation tools and digital media to design web sites.
- Developed personal portfolio using python with Streamlit, deploying on Streamlit free deployment model.

Introduction To Python And Computer Science, Computer Science Student

06/2020 – 07/2021 | South Ozone Park, New York

- Enrolled in multiple online courses and groups, including Jovian, Harvard Python Course, CodeCademy, Udemy, and Google Developer Course.
- Collaborated with programming teams on social media platforms such as Discord and Telegram.
- Consistently improved my knowledge and applied it to real-life scenarios.
- Followed best practices in code development, maintenance, and testing to improve solution design .
- Engineered software within service-oriented architecture.
- Worked independently to design, develop, and test code.
- Stayed up-to-date with developments in related Python frameworks.

Operating Systems & Introduction To Kali Linux, Computer Science Student

09/2021 – 12/2021 | South Ozone Park, New York

- Studied various operating systems, including Linux and its framework .
- Hosted my own virtual machines, such as Kalix Linux, using Parallels Desktop.
- Followed best practices for database operations.
- Used Kali Linux tools to study internet vulnerability for daily users.
- Demonstrated how easily hackers can take control of user data by deploying my own malicious Python code to encrypt files.
- Recognized the value of using the terminal.

AWS Cloud Computing 1 With Arizona State University, Sophomore Year Of High School

09/2022 – present | Richmond Hill, New York

- Worked with teams of talented software engineers to define, build and maintain cloud infrastructure.
- Worked with cloud architect to generate assessments and develop and implement actionable recommendations based on results and reviews.
- Identified, analyzed and resolved infrastructure vulnerabilities and application deployment issues.
- Identified gaps in market to spot opportunities to create value propositions.
- Obtained to Cloud Computing Education Equity Lab Scholar Certification.
- achieved a top-five ranking in the state for this course , graduating with a 98%, demonstrating a high level of academic proficiency and dedication.
- earned three college credits from Arizona State University , and was granted an opportunity to take the Cloud Practitioner certification exam at no cost. Currently, I am actively studying and preparing to successfully pass the certification exam.

Data Analyst Using Python With Jovian, online student

09/2022 – 12/2022 | Queens, New York

- Developed effective and replicable methods for data extraction and organization .
- Analyzed complex data sets to identify trends and patterns.
- Used Matplotlib and NumPy to plot data.
- Applied object-oriented programming to real-life scenarios.
- Created data models to support decision-making processes.

🎓 EDUCATION

Richmond Hill High School

09/2021 – present | South Richmond Hill, New York

- Elected Co Captain of Richmond Hill Varsity Soccer Team
- Continuing education in Software engineering
- Completed professional development in AWS Cloud Computing 1 with Arizona State University
- Awarded Honors In AWS Cloud Computing 1
- Awarded Advance Placement In Computer Science Curriculum

PROFILE

Jeffrey is a highly motivated Computer Scientist based in NYC, specializing in Data Engineering and Software Development. He is a self-taught programmer with a passion for constantly learning and expanding his knowledge in the field. Jeffrey dedicates a significant amount of time to studying various subjects related to his field in order to stay up-to-date with the latest technologies and techniques. In addition to his academic pursuits, Jeffrey enjoys staying active by going to the gym, boxing, and playing soccer. He is currently a student at Richmond Hill High School and is eager to apply his skills and knowledge to the real-world challenges of the tech industry.

ACCOMPLISHMENTS

Sophomore year

09/2022 – present
Richmond Hill High School, New York

- Only sophomore to get AWS to Cloud Computing Education Equity Lab Scholar certification
- 5th place honor roll AWS Cloud Computing in the state Equity Lab Scholar (college credits)
- Jovian Introduction to Data Analysis with Python Certification
- SEP Internship On website development
- Recommendation letter for NASA Internship CCRI Volcanic Emission Impacts on Climate Systems, Agriculture and Society from my teacher.
- college level computer science student for my sophomore year in high school.

PROJECTS

Personal Portfolio Website, *Creating a Streamlit Portfolio: Showcasing my work and my skills using python with the streamlit module and free deployment* ☑ 02/2023 – 03/2023

Python Virus Building Simulation, *I used matplotlib to simulate a deadly virus outbreak among people living in buildings, using Python classes to track their health status. Through four subplots, I graphed the evolution of the pandemic, showcasing my proficiency in data visualization and object-oriented programming* ☑ 08/2022 – 09/2022

Python Password System, *A simple python password system using the modules os and tkinter making windows of a user registration and log in system.* ☑ 04/2021 – 05/2021

Amazon WebScraping Prices, *Using the Python modules, beautifulsoup and Pandas I was able to create a price manager right from the terminal to give me prices and different types of items using html tags.* 12/2020 – 12/2020

REFERENCES

Sangmin Pak, *Director of Software Engineering Pathway*, Richmond Hill High School
SPak@schools.nyc.gov

Cody Bisram, *Backend Software Engineer*, Memorial Sloan Kettering Cancer Center
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DECLARATION

I declare that all the information provided in this document is true and accurate to the best of my knowledge. I take full responsibility for the correctness of this information.

- Jeffrey Fernandez