

Dylan Posner

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 Dylan Posner

I'm a data scientist adept at agile development and SQL, with a love for coding and a knack for revealing business insights.

WORK EXPERIENCE

Booz Allen Hamilton Inc.

(September 13, 2021 - Present)

Data Scientist (Senior Consultant)

LCMP Sentinel

- Performed data validation using Python to cross-check multiple Excel workbooks
- Developed a *Jupyter Notebook* that allowed the team to easily validate any new data, as well as track changes in the data to identify mismatched data points more efficiently

NASA SPEAC

- Developed a stand-alone executable tool for backing into a triangular inverse distribution which reduces the time required to develop an uncertainty distribution from weeks to a day and created a GUI for the tool using *Tkinter* and *Tkinter-Designer*
- Used *PyTesseract OCR* and *OpenCV* to detect data inside PDFs and PowerPoints to create Excel workbooks that allow our team to analyze financial performance of our project over time
 - Presented findings internally to another team, including a live demo
- Debugging and adding functionality to a large Excel macro
 - Dynamically generated a visual roadmap of upcoming program events
 - Added the ability to automatically generate a PowerPoint with the roadmap

CVAERO

- Created a demo for each of our four models that are run through a flask server on our web app (Airplane Classification, Foreign Object Classification, and two Object Detection models)
- Wrote a section for the web app about the importance of foreign object detection on runways and how we processed our data before training our model
- Created a scrollable animation, using *Green Sock (GSAP)*, to go along with the section I wrote
- Worked with my teammate to deploy the webapp onto an *AWS EC2* instance and reworked the inferencing models so they run through an *AWS Lambda* function

🔗 <https://www.boozallen.com/>

Interos, Inc.

(May 18, 2020 - August 26, 2021)

Data Analytics Intern

- Quickly learned Snowflake, a cloud-based data warehouse, to manage and analyse data for several projects
- Produced a unified data schema which enabled users to quickly query a single dataset
- Led the research of all G2 project data and queried survey results to create supply chain maps
- Developed a series of SQL queries that returned relationships based on survey data
- Collaborated with manager on USASpending project to enhance our ability to replicate website data across SnowFlake
- Developed a series of SQL queries in Snowflake that increased our internal data processing time by 50%

🔗 <https://www.interos.ai/>

The Phoenix Team

(June 01, 2019 - August 28, 2019)

Product Development Intern

- Advanced company's product design and product management by using agile product implementation
- Managed other interns to produce a white paper for Phoenix's clients about effective product management

🔗 <https://phoenixoutcomes.com/>

CERTIFICATIONS

Python Practitioner

Booz Allen Hamilton

https://www.credly.com/badges/2696e828-6df4-4a87-89cf-b3da203a2ab0/email

(March 17, 2023)

AWS Certified Cloud Practitioner

Amazon Web Services Training and Certification

Expires on May 31, 2025

https://www.credly.com/badges/66af8ef4-a10b-42d6-aab9-c4a05db1746b?source=linked_in_profile

(May 31, 2022)

ICAgile Certified Professional

ICAgile

https://www.icagile.com/credentials/1a0ba384-c3d8-42a5-95c5-b83d76dcd994

(December 07, 2021)

SKILLS

Software Development	Database Design and Development	Data Analysis	Web Development
2 yrs	2 yrs	2 yrs	1 yr
Java, JavaScript, Python	SQL, MySQL Workbench, Excel VBA, Microsoft Access	NumPy, Pandas	PHP, HTML, CSS, Svelte

EDUCATION

Virginia Tech

B.S., Business Information Technology

(August 28, 2017 - May 16, 2021)