Aaron Guo

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Education

The George Washington University   **Washington, DC**
Masters in Data Analytics (Accelerated 4+1 Program)   Expected June 2027
BSc In Computer Science, Minor in Accountancy   Expected June 2026

Skills

- **Visualization:** Tableau, Power BI
- **Programming:** Python, SQL, R, REST APIs
- **Data Science/Machine Learning:** Pandas, NumPy, Scikit-Learn, PySpark, Time-Series Analysis, NLP
- **Cloud:** AWS (Lambda, SNS, S3, EC2), Docker, Git
- **Office**: Advanced in Excel and PowerPoint + Word; Proficient in Outlook
- **AI Development**: OpenAI API, Gemini API, Deepseek API
- **Languages**: English (Native), Mandarin (Fluent-Speaking)

Work Experience

The George Washington University   **August 2024 - Present**
Technical Support Assistant   *Washington, DC*

- Diagnosed+resolved average of 15+ daily technical support tickets related to Software/Hardware and GWSystems
- Acted as the technical liaison between non-technical university staff and IT engineers.
- Authored documentation for an internal knowledge base, improving team efficiency & issue resolution.
- Applied knowledge of core IT infrastructure to resolve complex, underlying system issues.

Three Stars Fashion Group, www.linkedin.com/company/three-stars-fashion-group/   **June 2025 - Sept 2025**
Data Engineer Intern (Remote)   *Alexandria, Egypt*

- Automated the tedious processing of supplier inventory spreadsheets using a Python and Pandas script, freeing up 30 minutes of cleaning into Excel and given to our supply chain team saving 16+ hours every week.
- Built and deployed a live dashboard with Flask and Chart.js to help managers visualize production line output, helping pinpoint a discovery of a key bottleneck in the assembly line nearly instantly.
- Designed a serverless alert system using AWS Lambda and SNS to instantly notify the logistics team about large, shipment-ready orders, effectively cutting down on communication delays.
- Created clear technical documentation and user guides in Microsoft Word for all developed tools above, ensuring a smooth handoff and easy adoption by the full-time team or anytime after me.

Sunwater Capital, legis1.com , www.sunwatercapital.com   **January 2025 – May 2025**
Data Science Intern   *North Bethesda, MD*

- Architected an end-to-end data pipeline using PySpark and SerpAPI to automatically extract and clean legislative data, ensuring the entire team had a reliable stream of information for analysis.
- Cut manual fact-checking time by 90% by building an AI validation tool with the OpenAI API.
- Turned messy committee hearing transcripts into strategic insights by building a Python web scraper and using NLP to extract key topics for the analysis team.
- Wrangled/transformed raw web data into clean, analysis ready datasets using R (dplyr, tidyr), preparing the ground for modeling and clear reporting.

China Fun Restaurants   **September 2020 – August 2024**
Data Analyst' 22-24, Assistant Manager 20-22   *Charlotte, NC*

- Implemented a time-series forecasting model on sales data to optimize daily inventory procurement, reducing food waste by 14% and increasing profit margins by over 7%.
- Analyzed and visualized a complex 200+ item menu using Tableau and Power BI 200+ item to visualize profitability and sales trends, making smarter inventory and marketing decisions.
- Developed compelling data narratives using Tableau visualizations, successfully influencing a new menu strategy that generated an additional $5k in monthly revenue.

Leadership & Campus Involvement

Association of Computing Machinery (ACM) | George Washington University | President   **Aug 2024 - Present**

- Led 10+ professional development workshops and speaker events for the student community on topics ranging from Technical skills, Career Preparation, AI and Machine Learning, Project Documentation.
- Successfully grew chapter membership by over 100 students through strategic outreach, engaging social media content, and promotional events across campus.