

Shiyao Wang

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SKILLS AND CERTIFICATES

**Software
Programming
CFA Level III**

Jira, Azure Board, Git, Microsoft Excel, PowerPoint, Power BI, Figma
Python, HTML, WXML, JavaScript, CSS, SQL, R, Stata, VBA
Passed Jun 2019

LEAD WEBSITES/SOFTWARES

Galaxy Visualization

[\(click to visit\)](#)

Project Manager | UI Design | Content Provider

April 2022 – Present

- An opensource data visualization template website contains more than 100 charts made from Excel, Stata, Tableau, RStudio, Python and PowerBI. The database is built in SQL, the back end is built using python.
- The front end is built with TypeScript under React, together with basic HTML, CSS, and JavaScript.

Scorelib WeChat Mini-App

[\(click to visit\)](#)

Project Manager | UI Design | Front End Developer | Content Provider

August 2022 – Present

- A WeChat mini app providing customized exam services.
- The back end for a WeChat app which enable users to customize an exam experience on a portable device. The database is built in SQL while the server structure is written in python.
- The WeChat app's front end is built with VUE framework using JavaScript and CSS.

WORKING EXPERIENCE

International Monetary Fund

Washington, D.C.

Research Assistant | Strategy, Policy, and Review Department

July 2019 – Present

- Created dashboards in Excel to analyze the cross-version consistency, visualized the key evaluation indicators.
- Used UN Comtrade Azure API and Python scripts to download and process bulk trade data, this cuts the original data processing time by 90% using automation methodology plus a user-friendly interface in Excel.
- Introduced the Jira management system into daily work, which introduced the idea of roadmaps and sprints. Developed the RA matrix to streamline workflows and improve collaboration efficiency.
- Wrote an ado program which automates the internal data merging, cut the original processing time by 50%.
- Designed the EBA-lite 3.0 toolkit using VBA and Excel. The toolkit allowed users to dynamically select their own country and view the relevant analytical results. Provided technical supports to over 50 teams, recorded instruction video blogs, presented to fund-wide staff on the new features and things-you-must-know.
- Participated in the Trade Nowcast Project, which used spatial clustering and random forecast classification to predict the multilateral trade trends using daily AIS ship data with Python, C++, and Stata programs.

World Bank Group

Washington, D.C.

Consultant | Poverty Global Practice, East Asia and Pacific Region

Aug 2018 – May 2019

- Harmonized Thailand Labor Force Survey datasets over the years 1985 to 2017, processed the micro-level survey modules using Stata programs.
- Created Tableau stories and dashboards, identified breaks and trends with bar charts, line charts, and maps, published in internal SharePoint page and maintained it on a quarterly basis.

Johns Hopkins University

Washington, D.C.

Teaching Assistant | Carey Business School

Aug 2018 – May 2019

- Assisted in grading MBA student's homework on a weekly basis; provided comments on the papers according to students' usage of course concepts and the depth of analysis.

EDUCATION

Georgetown University

Washington, D.C.

Master of Public Policy

Focusing on Technology Solutions (GPA 3.8/4.0)

May 2018

Wuhan University

Wuhan, China

Bachelor of Business Administration

Technology Solutions (GPA 3.9/4.0)

Jun 2016

Bachelor of Arts

English Language and Literature (GPA 3.9/4.0)

Jun 2016