

# Zhiqing Pan | 潘志清

## Brief Introduction

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I have a certain experience in WebGIS development, and I am familiar with programming languages such as **JavaScript**, **TypeScript**, and **Python**. I am familiar with popular front-end toolchains and frameworks (**Node.js**, **Vite**, **Vue**, etc.), and have a strong ability in spatial data processing and visualization. In terms of WebGIS development, I focus on the implementation of spatial algorithms and the visualization of geographic information data on the browser side. At the same time, I have a certain research on the underlying principles of web map engines, familiar with concepts such as WebMercator projection, tiled maps, vector maps.

For GPS positioning principles and algorithms, I have systematically studied related courses during my undergraduate and master's courses. In particular, in the course, I have an understanding of the Android system [GNSS raw measurement data](#).

## Education

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- 2020.09 - 2024.06: **Bachelor of Science** in Geodesy and Geomatics, [Shan Dong University of Science and Technology](#), Qingdao, China.
- 2024.09 - 2025.06: **Master of Science** in Geomatics, [Department of Land Surveying and Geo-Informatics \(LSGI\)](#), Hong Kong Polytechnic University, Hong Kong.

## Work Experience

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- 2024.09 - 2025.06: **Part-Time Research Assistant** in [Department of Land Surveying and Geo-Informatics \(LSGI\)](#), Hong Kong Polytechnic University, Hong Kong. Mainly responsible for the development of WebGIS platform about the research of Global EV Charging Station Location Optimization and Planning.

## Projects

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- WebGIS : [RVGeo](#), a TypeScript library for spacial information analysis and visualization(demo). [RVScripter](#), a web map rendering framework similar to Leaflet.js(demo).

## Contact me

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