

Clinton Garwood

Solutions Engineer, Software Design & Full Stack Development

I enjoy designing practical, yet inspired and accessible technology, and have diverse team and organization experience. Learning how to align project documentation with industry best practices led me into ai-prompting almost two years ago. Since then, prompt-engineering, LLM design and access, and machine-learning have been my continuing education and skill development focus.

Applications, Code

[Open Source Apps](#)
[Browser Notepad App](#)
[Python Skills Series](#)
[Round Trip Data App](#)

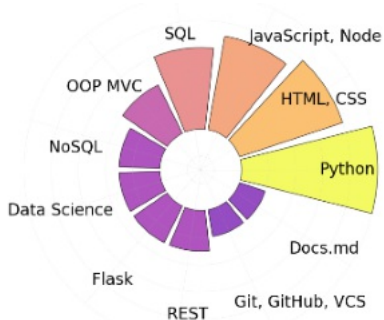
Professional Roles, Experience

[Experience Summary](#)
[Visiting Scientist USGS](#)
[Faculty Joliet Junior College](#)
[Publicity Consultant](#)
[Patent Summary](#)
[Skills Tools Summary](#)
[Technology Timeline](#)

Degrees, Certifications

[Full List of Degrees](#)
[MS Governor's State](#)
[University of Washington](#)
[AAS Joliet Junior College](#)

Skills Focus



Data Science Project Spotlight

A founder and supervisor of long-term cooperative research partnership between the USGS and JJC.

Support teams and individuals using R, C++, Java, and Python (SciPy, Numpy, Pandas). Assist with web interface development and the use of IoT/micro-sensory data collection devices. Conduct analyses on diverse datasets, including text files, CSVs, spreadsheets, video footage, and sensory data, using statistical and computational methods.

Open Source Application Development

I have released numerous open-source productivity and general purpose data management apps. These apps come in a variety of stacks, and serve as template apps others can extend into personal applications or organizational projects.

University Faculty, Computer Science

Develop and teach undergraduate programming, web development and full-stack classes online and in-person.

Joliet Junior College, Joliet IL, 7-years

University of St. Francis, Joliet, IL 2-years

North Central College of Engineering, Naperville IL, 2-years

Programming Languages

General Purpose: Python (2 & 3), Java, C, C++, C#, R

Web Development: JavaScript, Node.js, PHP, Ruby

Libraries, Frameworks, and Databases

Frontend: HTML, CSS, JavaScript, Bootstrap, jQuery

Backend: Flask, Django, Spring, Express, NGINX

SQL/noSQL Data Stores: Microsoft SQL Server, MariaDB, SQLite, MySQL Workbench, Serialization, JSON, MongoDB/Atlas