

PINGFAN HU

I am a PhD student in [EMSE](#) at George Washington University. I am experienced in R (base R + tidyverse) and Python development mainly in data analysis and data viz. I write moderate CSS and HTML codes as well.

For more information please visit my personal website at pingfanhu.com.



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🌐 pingfanhu.com

🐙 github.com/pingfan-hu

🌐 [in/pingfan](https://in.pingfan)

🎓 EDUCATION

- 2025 • PhD in Systems Engineering (Ongoing), GPA: 4.0
[George Washington University](#)
- 2023 • MPE in Mechanical Engineering
[University of Sydney](#)
- 2015 • BS in Industrial Engineering, with Minor of Six Sigma
[Pennsylvania State University](#)

📝 PROJECTS

- 2024 • [surveydown](#)
 - A flexible, open-source software for making surveys with R, Quarto, Shiny, and Supabase, co-invention with professor [John Helveston](#), primary author of journal paper.
- 2023 • [Smart Charging Adoption](#)
 - A survey-based data analysis that studies BEV (Battery Electric Vehicle) owners' willingness to participate in smart charging programs, supervised by professor [John Helveston](#), primary author of journal paper.

🏢 EMPLOYMENT

- 2023 • **Graduate Research Assistant** at [GWU](#) 📍 DC, USA
 - 2024 - PhD-level research proposal, design, and implementation in sustainable transportation and survey software invention using data analysis tools.
 - Teaching assistant for systems engineering classes.
- 2021 • **Project Engineer** at [Harsco Rail](#) 📍 SC, USA & Beijing, CN
 - 2022 - Managed and delivered software for Undercutter and Grinder projects, demonstrating expertise in programming and project management skills.
- 2019 • **Project Engineer** at [GE Appliances](#) 📍 Qingdao, CN
 - 2020 - Participated in GE's Edison Engineering Development Program with various appliance projects, showing expertise in PLM management and designs.
- 2017 • **Assistant Process Engineer (Intern)** at [Kurtz Ersä GmbH](#) 📍 Wertheim, DE
 - Executed a DoE for new soldering technology, and featured as lead actor in Ersä's first [Asian market promotion video on YouTube](#).

⚙️ SKILLS

- **Coding:**
 - R Coding
 - Python
 - CSS
 - HTML
- **Engineering:**
 - Data Analysis
 - Data Visualization
 - Project Management
- **Languages:**
 - English (Proficient)
 - Chinese (Native)