

PINGFAN HU

I am a PhD student and researcher at the George Washington University in the department of [Engineering Management and Systems Engineering](#) with expertise in systems engineering and data analysis. I am experienced in [R](#) coding and [Python](#) programming, and mainly use [RStudio](#) and [VS Code](#) as working IDE. My current project is a [conjoint survey](#) for BEV smart charging adoption.



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EDUCATION

- 2025 • PhD in Systems Engineering (Ongoing), GPA: 4.0
[George Washington University](#)
- 2023 • MPE in Mechanical Engineering, GPA: 3.2
[University of Sydney](#)
- 2015 • BS in Industrial Engineering, with Minor of Six Sigma, GPA: 3.2
[Pennsylvania State University](#)

PROJECTS

- 2023 • [BEV Smart Charging and V2G Adoption](#)
 - *Research Focus:* Exploring market acceptance of smart charging and V2G for BEVs, targeting user perspectives and adoption trends.
 - *Data Analysis:* Utilizing R programming, commercial platforms, and LLM models like ChatGPT for conjoint survey design and implementation.
- 2023 • [Multilayer Network Science of the Mid-Atlantic Region](#)
 - *Research Focus:* Initiated a multilayer network study of the Mid-Atlantic Region, to reduce carbon emission and to ensure energy sustainability.
 - *Network Science:* Performed a full course of Python codes to generate spatial maps, topographical networks, centrality distribution, and network attack simulations.

EMPLOYMENT

- 2021 • **Project Engineer** at [Harsco Rail](#) SC, US & Beijing, CN
2022
 - Managed and delivered software releases for Undercutter and Grinder projects, demonstrating expertise in C++ programming and project management skills.
- 2019 • **Project Engineer** at [GE Appliances, a Haier Company](#) Qingdao, CN
2020
 - Participated in GE's Edison Engineering Development Program, working on various appliance projects, with expertise in PLM management and structural designs.
- 2018 • **Supply Chain Manager** at [Xiaomi Smart Phone](#) Beijing, CN
 - Managed supply chains for Xiaomi 8 and Redmi 6 phones in the global markets, and led a customer engagement workshop in retail stores.
- 2017 • **Assistant Process Engineer (Intern)** at [Kurtz Ersa GmbH](#) Wertheim, DE
 - Executed a DoE for new soldering technology, conducted Asian market analysis, and featured as lead actor in Ersa's first [Asian market promotion video on YouTube](#).

SKILLS

- **Coding:**
 - R Coding
 - Python
 - Shell
 - C++
- **Engineering:**
 - Data Analysis
 - Project Management
 - Six Sigma
- **Languages:**
 - English (Proficient)
 - Chinese (Native)