

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 program](#) for PEV smart charging adoption.



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 • **[Smart Charging and V2G Adoption for PEVs](#)**
 - *Research Focus*: Exploring market acceptance of smart charging and V2G for PEVs, 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 Ersä GmbH**  Wertheim, DE
 - Executed a DoE for new soldering technology, conducted Asian market analysis, and featured as lead actor in Ersä's first [Asian market promotion video on YouTube](#).



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SKILLS

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