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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in in/pingfan

🎓 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 BEVs**
- *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)*