

# Xinyi Cui (Anny)

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## EDUCATION

**Cornell University, Ithaca, NY**

*MPS in Information Science*

*Anticipated Aug 2024 – May 2025*

**University of Puget Sound, Tacoma, WA**

*Aug 2020 - May 2024*

*Bachelor of Science in Mathematics and Economics, Minor in Business*

*GPA 3.74/4.00*

**Relevant Courses:** Mathematical Modeling, Optimization, Applied Statistics, Probability Theory, Real Analysis, Game Theory in Economics, Intro to Econometrics, International Finance, Principles of Taxation

**Computational Skills:** Proficient in Microsoft Office | Python | R | LaTeX | Java

## WORK EXPERIENCE

**JD Logistics, Shanghai, China**

*July 2023 – Aug 2023*

*Supply Chain Operation's Analyst Intern, Integrated Support Group*

- Participated in data collection, processing, and corresponding analysis at the cost analysis unit.
- Investigated discrepancies between estimated and actual data values, liaising with the income group for rate calculations, and allocating cost reduction targets.
- Completed a detailed cost consumption comparison report for different warehouse centers in Shanghai & the Jiangzhe region; articulated the cost structure of the logistics operation zone in the online worksheets.

## ACADEMIC INVOLVEMENT

**Senior Thesis: Otaku Culture's Impact on the Mobile Role-Playing Game (RPG) Popularity: An Analytical Exploration of Trends and Influences in the Modern Digital Age**

*Sept 2023 – Feb 2024*

*Instructor: Prof. Matt Warning*

- Investigated whether the proliferation of otaku culture, a niche subculture initially in Japan, has significantly influenced the popularity and adoption of the mobile role-playing mobile game (RPG) sector.
- Performed linear modeling using R language and data collected from relevant sales websites, professional organization reports to evaluate the quantitative impacts and trends on the global revenue of RPG mobile games.

**Analysis and Forecasting of Corporate Property Data – Project-Based Learning**

*Jan 2022 – May 2022*

*Instructor: Prof. Cosimo Arnesano from the University of Southern California*

- Optimized allocation of investment portfolios for Tesla, Pfizer, Apple, and Nike using EViews and Excel as part of the group project using financial matrix algebra and modern portfolio theory.
- Applied the Markowitz Model, in conjunction with data queries, to develop risk reports for a portfolio of companies in the console game market, like Nintendo, Take-Two Interactive, Sony, and Ubisoft.
- Co-authored a paper that was **accepted** by the **5th International Conference on Financial Management, Education and Social Science (FMESS 2022)**

**Report on the Application of Game Theory in Mobile Games**

*Jan 2023 – Apr 2023*

*Instructor: Prof. Andrew Monaco, University of Puget Sound*

- Authored a paper discussing the application of game theory in real-world phenomena, specifically the use of the Gacha mechanism in the mobile gaming industry.
- Developed scenarios based on two companies; assisted the companies in designing Gacha game configurations; built models and simulated competitive game strategies; chose the optimal solution for the game manufacturer.

**Examination into the Heating Load Model for Buildings**

*Sept 2022 – Dec 2022*

*Instructor: Prof. Jacob Price, University of Puget Sound*

- Collected relevant data and determined the most appropriate multiple linear regression model with reasonable explanatory variables to predict the energy required for maintaining the building's room temperature.
- Discussed which factors in the data sample have the greatest impact on room temperature and considered ways of improvement based on the selected model and its applicability.

## EXTRACURRICULAR

**The Center for Writing & Learning, University of Puget Sound**

*Jan 2024 – May 2024*

*Economics Subject Tutor*

- Responsibility includes assisting the professor during lectures, holding weekly meetings, conducting independent tutoring hours, responding to student inquiries, and grading assignments and exams.

**Sound Economics, Student Run Blog at the University of Puget Sound**

*Jan 2023 – Dec 2023*

*Regular Contributor*

- Articulated weekly news, issues, debates, and research articles in economics as a writer, contributor.
- Held regular meetings with the governing faculties and managing seniors to discuss potential economic issues that aim to encourage other members of the community to engage in economic discussions.

## ACHIEVEMENTS & SKILLS

- Basketball Team Manager | Math Tutor | Avid Community Volunteer
- Fluent in English and Chinese | Moderate in Japanese