

Xinyi Cui (Anny)

Xinyicui0108@outlook.com

Dalian, China

+1 2533261612

EDUCATION

University of Puget Sound, Tacoma, WA

Sept 2020 - June 2024

Bachelor of Science in Mathematics and Economics, Minor in Business

GPA 3.74/4.00

Relevant Courses: Analytic Geometry, Multivariate Calculus, Linear Algebra, Mathematical Modeling, Applied Statistics, Probability, Game Theory in Economics, Real Analysis, Intro to Econometrics, Optimization

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

WORK EXPERIENCE

JD Logistics, Shanghai, China

Jun 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 – Present

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

Anticipated 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 – Present

Regular Contributor

- Articulated weekly news, issues, debates, and research articles in economics as a writer, contributor, and as a member of the University of Puget Sound community; achieved 10-20 viewings weekly.
- 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 at Pacific Christian Academy
- Fluent in English and Chinese | Moderate in Japanese