CONTACT INFORMATION	Operations Research & Industrial Engineering

The University of Texas at Austin   Phone: (440) 212-4328
2501 Speedway, EER 6.804   Website: sites.utexas.edu/ywu/
Austin, TX 78712, USA   E-mail: yutong.wu@utexas.edu

EDUCATION

The University of Texas at Austin, Texas, USA

Ph.D. Candidate in Operations Research (September 2019 - Present)
- Advisor: Evdokia Nikolova

M.S. in Operations Research (August 2021)

University of Waterloo, Ontario, Canada

B.Math. in Computer Science & Statistics (June 2019)
- Graduated with Distinction – Dean's Honours List (Highest Honours)
- Minor: Combinatorics & Optimization
- Advisor: Naomi Nishimura

École Polytechnique Fédérale de Lausanne (EPFL), Lausanne, Switzerland

Exchange Student in Computer Science (Winter 2017)
- Research Assistant for Applied Statistics Lab
- Advisor: Stephan Morgenthaler

RESEARCH INTERESTS

Online Algorithms; Optimization under Uncertainty; Mechanism Design; Algorithmic Game Theory; Bayesian Statistical Modeling; Applications in Power Systems.

PUBLICATIONS

1. J. Horn, **Y. Wu**, A. Khodabakhsh, E. Nikolova, E. Pountourakis (2020). The Long-term Cost of Energy Generation. Proceedings of the 11th ACM International Conference on Future Energy Systems (e-Energy). [paper][video]

   - Featured in the UT Energy Week Student Research Competition

2. **Y. Wu**, A. Khodabakhsh, B. Li, E. Nikolova, E. Pountourakis (2021+). Eliciting Truthful Reports with Partial Signals in Repeated Games. [paper] *(submitted)*

   - Poster presentation at WINE'21 [video]

3. **Y. Wu**, E. Jarvis, A. Sarkar (2021+). Bayesian Markov Renewal Mixed Models for Vocalization Syntax. [paper] *(under revision)*

   - Oral presentation at ENAR'22

4. B. Li, X. Wu, and **Y. Wu** (2022+). Query Efficient Prophet Inequality with Unknown I.I.D. Distributions. [paper] *(submitted)*

   - Poster presentation at EC'22

WORKING PAPERS

1. **Y. Wu**, G. Hanasusanto (2022+). Data-Driven Optimization of Resource Allocation with Network and Fairness Considerations.

AWARDS AND HONORS	**The University of Texas at Austin**, Texas, USA

- 2nd Place, Energy Week Student Research Competition (2020)

University of Waterloo, Ontario, Canada

- Co-op Student of the Year Award (2019)
- President's International Experience Award (2017)
- Gaby Barsky Memorial Scholarship (2016)
- President's Research Award (2016)
- International Student Entrance Scholarship (2014)
- President's Scholarship of Distinction (2014)

École Polytechnique Fédérale de Lausanne, Lausanne, Switzerland

- Exchange Scholarship & Research Scholarship (2017)

TEACHING EXPERIENCE

The University of Texas at Austin, Texas, USA

- **Course Instructor**

ME 366L: Operations Research Models (Undergraduate Level)	Fall 2021

Received 4.9/5.0 instructor rating from 33/37 students.

- **Teaching Assistant**

ORI 390R.1: Applied Probability (Graduate Level)	Fall 2022
ME 366L: Operations Research Models (Undergraduate Level)	Fall 2022
ORI 390R.5: Applied Stochastic Processes (Graduate Level)	Spring 2022
ORI 390R.17: Decision Analysis I (Graduate Level)	Spring 2022
ME 353: Engineering Finance (Undergraduate Level)	Fall 2019

INDUSTRIAL EXPERIENCE

Amazon Web Services, Seattle, Washington, USA	Summer 2022

Research Scientist Intern
Investigated and modeled caller abandonment for contact centers in Amazon Connect.

Aetion, Inc, New York, New York, USA	Spring & Summer 2018

Full Stack Engineering Intern
Built R & Java programs to visualize medical datasets; led sprints and presentations.

EPFL & **Novigenix**, Lausanne, Switzerland	Summer 2017

Summer Research Intern
Built neural networks using TensorFlow for early detection of colorectal cancer.

Intact Financial Corp., Montréal, Québec, Canada	Summer 2016

R & D Developer Intern
Explored AI and machine learning methods for automating insurance procedures.

Ontario Institute for Cancer Research, Toronto, Ontario, Canada	Fall 2015

Web Development Intern
Responsible for web features and deployments for 20+ Drupal websites.

COMPUTING SKILLS

Expertise: R, Python, Java, Matlab, Gurobi
Basic Programming Knowledge: C/C++, SQL, HTML/CSS/JavaScript

LANGUAGES

English (fluent), French (advanced), Mandarin Chinese (native)