

# Christopher Marius Dragomir

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## EDUCATION

### UNIVERSITY OF PENNSYLVANIA

*PhD Student in Operations, Information, and Decisions*

*September 2023 – Current*

- Pursuing research interests in platform pricing, peer-to-peer marketplaces, and electricity markets
- Working Papers: “Letting the Hosts Price: Evidence from a Car-Sharing Platform”, “Who Shifts Charging? Segmenting EV Owners to Design Effective Off-Peak Incentives”
- Relevant Coursework: Stochastic Models, Queuing Theory, Linear Optimization, Applied Econometrics

### PRINCETON UNIVERSITY

*MSE in Operations Research and Financial Engineering*

*September 2021 – June 2023*

- Focused on exploring the fields of autonomous vehicles, mobility equity, and ridesharing platforms
- Completed thesis centered on combining optimization and finance-based models of autonomous ridesharing to create a comprehensive perspective
- Awarded the Kornhauser-Gervasio Graduate Fellowship in Transportation Engineering

*Program in Teacher Preparation*

*September 2020 – June 2021*

- Post-graduate program focusing on teacher training and obtaining a state teaching license
- Completed coursework and practical student teaching in a highly ranked public high school resulting in teaching license for secondary mathematics and computer science

*BSE in Operations Research and Financial Engineering*

*June 2020*

- Relevant Coursework: Optimization, Fundamentals of Statistics, Probability and Stochastic Systems, Linear Algebra, Computing and Optimization, Reasoning about Computation
  - Activities: Princeton Quadrangle Club officer and ORFE Student Council member
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## EXPERIENCE

### UNIVERSITY OF PENNSYLVANIA

*Head Teaching Assistant – Philadelphia, PA*

*January 2025 – Present*

- Principal TA for OIDD 2200 - Operations Management Analytics
- Developed course material, supporting exercises, and supplemental curriculum to bolster student learning
- Lead weekly office hours, exam review, and grading for course

### PRINCETON UNIVERSITY

*Graduate Assistant in Instruction and Research – Princeton, NJ*

*September 2021 – June 2023*

- Principal TA for ORF 467 - Transportation Systems Analysis and ORF 401 – Electronic Commerce
- Helped plan and execute Princeton’s SmartDrivingCar Summit, showcasing leading voices in field of autonomous & new mobility
- Undertook research on the feasibility of self-driving ridesharing systems within urban US locations

*Teaching Assistant/Researcher – Princeton, NJ (remote)*

*September 2020 – August 2021*

- Taught and led precepts for ORF 467 – Transportation Systems Analysis, assisted students with coding and theoretical questions, and created tutorials in multimedia formats for students to follow
- Collaborated with NJ State on fleet electrification, expanding model to other agencies and applications
- Refined model to simulate all daily vehicle trips in the United States with greater overall accuracy

*Transportation Systems Researcher – Princeton, NJ (remote)*

*June 2020 – August 2020*

- Coauthored a report and feasibility analysis for NJ State DOT about planning EV Charging Infrastructure
- Continued research on a nationwide autonomous taxi model by modifying current code and creating visualizations in Kepler.gl

## **ELEPHANT HEALTHCARE**

*Data Science Intern – London, UK (remote)*

*Oct 2019 – Dec 2019*

- Generated weekly and monthly reports for associated health clinics to provide insight into medical data and patient information
- Designed reporting products and research architecture for creating mass reports on expanding network

## **APPLIED RESEARCH ASSOCIATES, INC.**

*Operations Research Intern – Alexandria, VA*

*June 2019 – August 2019*

- Worked on original research to quantify operator input for defined framework variables and return the relevant measures of performance and effectiveness for Air and Marine Operations activities
- Developed tool into a robust Python/MySQL implementation that allowed for greater functionality and larger data analysis capabilities
- Co-authored paper detailing variable selection and research methodology, as well as a breakdown of the decisions made through development
- Assisted database management for DHS System of Systems Operational Analytics

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## **VOLUNTEER EXPERIENCE**

*Wharton Directed Reading Program, Mentor*

*January 2025 - Present*

- Mentoring undergraduates on a semester-long guided reading/independent study project, led weekly meetings and maintained logs
- Co-developed project descriptions and references to scaffold students towards a symposium talk

*Princeton Alumni Schools Committee, Eastern European Chair*

*November 2020 – Present*

- Coordinated alumni interview assignments and scheduling to ensure all prospective applicants in the region had an opportunity
- Conducted applicant interviews and submitted written evaluations to support the admissions process

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## **SKILLS**

- Proficient in Python, MATLAB, C++, and Microsoft Office, particularly Excel
- Peer tutoring and pedagogic experience
- Bilingual proficiency in Romanian, working proficiencies in French and German