Andrea M. Mock

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OBJECTIVE: Aspiring data scientist looking to apply her data science skills through an entry-level position and have impact in the real world.

EDUCATION

Wellesley College, Wellesley, MA   Expected Dec. 2021
Candidate for Bachelor of Arts in Data Science
Relevant Courses: CS230: Data Structures, CS231: Fundamental Algorithms, CS315: Data and Text Mining for the Web**,** CS304: Databases with Web Interfaces, STAT221: Statistical Inference

Massachusetts Institute of Technology (MIT), Cambridge, MA   Jan. 2020 – Present
Cross-registered student
Relevant Courses: 6.036: Introduction to Machine Learning, 6.034: Artificial Intelligence

SKILLS & AWARDS

Technical Skills: Python, Java, R, SQL, Statistics, Data Analysis, Machine Learning, Microsoft Office
Certifications: Data Scientist Professional (Datacamp)
Languages: English, German, and Spanish (native); French (fluent); Mandarin Chinese (basic)
Awards: HSF Scholar, Data Science for All Fellow

PROFESSIONAL EXPERIENCE

Wellesley College Mathematics & CS Department, Wellesley, MA   Feb. 2020 – Present
Teaching Assistant and Grader
- Chosen as one of the top students in the department to offer weekly drop-in tutoring sessions for around twenty students
- Tutored students privately in subjects ranging from Calculus to Linear Algebra and Machine Learning

Hack.Diversity, Boston, MA   Jan. 2021 – Aug. 2021
2021 Hack.Diversity Fellow
- Selected into a group of 100 fellows to participate in the career, leadership and workforce development program integrating Boston's innovation, corporate, civic, academic, and philanthropic pillars
- Collaborated with in a team of six to build a web application using MongoDB, Flask, and JavaScript to create an accessible way for citizens to assess healthy food options in their area and declared as one of the Hack.Diversity x IDEO CoLab de.Hackathon project winner

Palladio Partners, Frankfurt, Germany   March 2019 – April 2019
Intern in the Operations and Asset Management Department
- Researched the impact of ESG regulations on infrastructure investments and future investment possibilities
- Analyzed the quality class of an infrastructure index against closed infrastructure funds using mathematical models programmed in Excel
- Supported the cost controlling and examined permit documentation of direct infrastructure investments

RESEARCH EXPERIENCE

Fulbright Canada, Montréal, Canada   June 2021 – Aug. 2021
Fulbright Canada Mitacs Globalink Research Intern
- Performed research at the intersection of urban planning and machine learning for smart cities in Python
- Developed and improved classifiers to analyze social text data to evaluate citizens' complaints and comments resulting in a final trends report to management

Wellesley College, Wellesley, MA   Jan. 2020 – May 2021
Student Researcher at the Institute for Mathematics and Democracy
- Examined and co-authored a paper on how political conflicts and compromises can be expressed with simplicial algebraic topology
- Gained background knowledge in homology theory and current topics in algebraic topology research

Harvard Business School, Boston, MA   June 2020 – Aug. 2020
PRIMO Fellow
- Examined the top 100 companies in India's Nifty 500 stock index and scraped recruiting and leadership webpages for images to support project researching ethnic discrimination in the Indian labor market
- Developed and implemented a neural network to classify images by ethnicity and gender
- Performed regression analysis to examine correlation between factors such as company size, type, region and ethnicity in R to detect bias in hiring practices

ACTIVITIES

Student Interdisciplinary Data Initiative, Wellesley, MA   Dec. 2019 – Present
Events Chair
- Organized roundtable discussions around data literacy and relevant topics, as well as a school-wide datathon
- Distributed data related news and research and interacted with students interested in data science

Leo Club, Cupertino, CA / Landshut, Germany   Oct. 2013 – Present
Volunteer and Fundraising Coordinator
- Organized and managed multiple community services events and raised money to contribute to local charities