Isabella Kroon

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EDUCATION

Duke Kunshan University (DKU) & Duke University · Dual Degree   May 2025
B.S. Computer Science and Technology (by DKU)   Kunshan, China / Durham, USA
B.A. Interdisciplinary Studies; Computer Science and Social Policy (by Duke)   GPA: 3.9/4

- Environmental Sustainability Concentration
- 2022, 2023, 2024 Dean's List (Top 30%)
- Selected for DKU's 2023 Summer Research Scholar Program

EXPERIENCE

Research Assistant – Duke Kunshan University   May 2023-Present
Research Assistant to Prof. Fan Liang, PhD   Kunshan, China
- Scraped data from different news and social media sources (Python)
- Extracted audiovisual data from social media videos (Python)
- Identified trends and opportunities for future research using regression analysis and machine learning (R)

Sustainability Assessment Report – Duke Kunshan University   Sept 2022-Nov 2023
Writer and Editor, Energy Assessment Team   Kunshan, China
- Collaborated to write and publish DKU's first sustainability assessment report
- Collected and analyzed DKU's energy usage data and formulated actionable recommendations (Excel)
- Published at the 2023 Duke International Forum to advocate for a sustainability office at DKU
- Nominated and elected for Sustainable DKU 2024 Project Director based on report performance

Operation Climate Podcast – Duke University   Sep 2021-May 2022
Episode Writer and Audio Editor   Durham, NC
- Researched, co-authored, and audio-edited to produce podcast episode (Adobe Audition)
Now available on Spotify: S5E6 A Deep Dive into the Divestment Movement at Duke University

COURSEWORK & PROJECTS

Computational Social Science, Web-Based Multimedia Design, Big Data in Sustainability Science, Information Management for CS, Computational Problem Solving, Machine Learning for Social Science

Chinese Investments in Africa: Media Analysis | Python, R | developed code to scrape data from 2,000 news articles, analyzed trends using NLP and machine learning, presented findings
Sustainable DKU Website | Figma, HTML, CSS, JavaScript | leading project team to develop club website
PreZero Sustainability Consulting | Collaborated with PreZero at Vrije Universiteit Amsterdam to identify waste sources and make steps towards zero-waste at the VU
Sustainability Ambassador Certification Program | Co-authored and presented a proposal for recycling to the directors of Sustainable Duke
Tetris | Python | class final project, coded a functional Tetris game using object-oriented programming

ADDITIONAL INFORMATION

Languages: English (native); Dutch (native); Spanish (intermediate); Chinese (beginner, ~HSK 3)
Clubs: Sustainable DKU (Project Team: Shanghai Sustainability Guide, Website developer, AY24-25 Project Director); Tennis Club (Executive member, Beginner's coach); DTech Duke Technology Scholar
Other Work Experience: Barista at GOOD Eats & Sips (2 years); Retail Associate at Pride + Joy (2 years)