

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: 3.8/4

- Environmental Sustainability Concentration
- 2022 Dean's List with Distinction (Top 10%)
- Selected for DKU's 2023 Summer Research Scholar Program

EXPERIENCE

Research Assistant – DKU

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 – DKU

Sept 2022-Present

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)
- To be used to advocate for a sustainability office at DKU

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

Sustainability Ambassador Certification Program – Duke University

Oct 2021-May 2022

2021-2022 Ambassador Cohort

Durham, NC

- Co-authored and presented a proposal for recycling to the directors of Sustainable Duke

RELEVANT COURSEWORK & PROJECTS

Computational Social Science, Machine Learning for Social Science, Web-Based Multimedia Design, Computation and Problem Solving, Data Analysis and Statistical Inference, Calculus

Chinese Investments in Africa: Media Analysis | Python, R | extracted data from over 2,000 news articles, analyzed topic trends using dictionary and sentiment analysis, created topic models using machine learning

Perception of Trump on Bilibili: Media Analysis | Python | extracted audiovisual data from videos using the Python, calculated facial expressions using DeepFace AI

Tetris | Python | class final project, coded a functional Tetris game using object-oriented programming

Portfolio Site | Figma, HTML, CSS, JavaScript | creating personal portfolio site

ADDITIONAL INFORMATION

Languages: English (native); Dutch (native); Spanish (intermediate); Chinese (beginner, ~HSK 3)

Clubs: Tennis Club (Executive member, Beginner's coach); DTech Duke Technology Scholars; Sustainable DKU (Project Team: Shanghai Sustainability Guide, Website developer)

Interests: Environmental Policy and Sustainability, Tennis, Biking