

IPHIGENIE BERA

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EDUCATION

Northwestern University

Evanston, IL
Expected June 2024

Bachelor of Science in Computer Science
Data science and Engineering minor
GPA: 3.45/4.00

Relevant Coursework: Programming in Python, Fundamentals of Programming, Microeconomics, Macroeconomics, Design thinking and communication, Engineering analysis, Electronics Design, Statistics for Engineering

FreeCodeCamp certifications: Responsive Web Design, data visualization, and Front-end Libraries Certifications

EXPERIENCE

The Park Group for Surface Engineering

Evanston, IL
September 2021 - Present

Undergraduate Research Assistant

- Conduct techno-social analysis of fog Harvesting with focus of water retainment optimization
- Model geographical datasets using Python and ArcGIS to find optimum equipment installation locations and forecast potential yield of water from fog catchment

Northwestern University Information and Technology

Evanston, IL
October 2021 - Present

Audio Visual consultant

- Inspect on weekly basis Audio visual equipment in smart learning spaces at northwestern and repair broken parts
- Conduct a strategic assessment of equipment failure reports and create prioritization framework for Audio visual support allocation focusing on frequency, severity, and logistical complexity

Northwestern Blockchain group

Evanston, IL
September 2021 - Present

Front-end Developer

- Develop user interface React decentralized application for Ethereum Blockchain powered auction site for NFTs
- Implemented marketing feature for most bided NFTs and made website mobile responsive

Northwestern University, Design Thinking and Communication

Evanston, IL
April 2021 - June 2021

Student Engineer

- Designed and Prototyped Individualized Cat feeder system, Feline Feeder, for two cats preventing sick cats from eating each other's food
- Administered 4-members team in product prototyping phase of the project
- Enforced user requirements, CAD design, and performance testing in making product from scratch

LEADERSHIP EXPERIENCE

McCormick student Advisory Board

September 2021 - Present

Board Member

- Organized student activities including projects, competitions, and undergraduate research enabling student access all needed resources including faculty advisor and funding
- Initiated Board's social media campaign, increasing social media follower count by 40%

SKILLS

- Python, JavaScript, Racket, HTML/CSS, React, MATLAB, MINITAB, Excel, and GIS