

# Daniel Moon

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## EDUCATION

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### Johns Hopkins University

*Bachelor of Science, Computer Science*

*Bachelor of Arts, History of Science, Medicine, and Technology*

GPA: 3.97, Dean's List

Baltimore, MD

Expected May 2024

## SKILLS & INTERESTS

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**Technical:** Python, Pandas Library, Dash Enterprise, Java, C/C++, HTML/CSS, JavaScript, Flask

**Interests:** Data Analysis, Machine Learning, Deep Learning, Automation, Frontend Development

## EXPERIENCE

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### DeCarlo Environmental Research Group

*Research Assistant*

Baltimore, MD

Dec. 2021 – Present

- Created and maintained frontend data visualization/analysis website for millions of environmental datasets using Python, JavaScript, and Dash Enterprise which was used by local environmental groups nationwide
- Reduced data processing and callback times for the QuantAQ API by over 90% by providing detailed feedback and potential improvements

### JK Plastic Surgery

*Medical Research Intern*

Seoul, South Korea

May – July 2021 & 2022

- Kept track and maintained essential documents and translated COVID-19 related medical journals
- Created presentations that were presented to the Olympic committee officials for the 2020 Tokyo Olympics
- Organized the IHC Medical Project in Lusail City for the 2022 Qatar Doha World Cup

### Greenhouse Gas Research Group

*Research Assistant*

Baltimore, MD

Oct. 2021 – Present

- Analyzed the effects of COVID-19 on greenhouse gas emissions in Baltimore County with Tensorflow and Dash
- Generated reports for the City of Baltimore Council on ongoing trends with emissions numbers for 2022

## PROJECTS

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### Automated Content Generation

Aug 2022

- Automated the creation of YouTube shorts-styled videos via automated web scraping using Selenium WebDriver, Python, and Reddit API
- Automated the posting of the videos to YouTube and TikTok while bypassing verification

## LEADERSHIP

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### Musicare

*President/Librarian*

Baltimore, MD

Oct. 2020 – Present

- Maintained contact with hospitals and arranged performance dates for the organization through COVID-19
- Performed both virtually and in-person for the elderly in nursing homes and hospitals on a biweekly basis
- Gathered volunteers and organized their performances for each hospital visit