

# Raphael Coronel

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## Education

**University of Maryland, College Park**

Aug 2023–Expect Dec 2026

*B.S. Information Science, Minor in Asian American Studies*

- **Computer Science Coursework:** Introduction to Data Science, Object-Oriented Programming I & II, Algorithms
- **Asian American Studies Coursework:** Filipino American History & Biography, Asian American History, Asian American Foodways
- **Honors:** College of Computer, Mathematical, and Natural Sciences' Dean's List for Fall 2023, Fall 2024

## Work Experience

**Technology Organizer**, KaptureCon

Sep 2024–Present

*Washington, DC*

- Built interactive About, FAQ, and Merch pages using HTML and CSS for the KaptureCon website
- Implemented secure ticket purchasing for convention attendees through generating unique QR codes
- Oversaw live streaming operations and delivered essential tech support during the convention
- Evaluated post-convention data, including ticket sales and website traffic, and generated actionable insight for future events

**Academic Peer Mentor**, First-Year Innovation & Research Experience (FIRE)

Aug–Dec 2024

*College Park, MD*

- Developed leadership, communication, and teaching skills through hands-on mentorship of research teams
- Facilitated lectures for about 30 students to enhance engagement and understanding of research process
- Advised student research projects for FIRE Semester 1, fostering academic growth and collaboration
- Promoted equity and accessibility by using inclusive language and enhancing readability of class slides

## Research Experience

**Sustainability Analytics Student**, First-Year Innovation & Research Experience

Jan–Dec 2024

*Advisor: Dr. Thanicha Ruangmas*

- Researched the impact of DC Metro Silver Line's completion on nearby house prices
- Collaborated with 3 teammates through in-person meetings and a shared Github repository
- Analyzed and quantified national effects of climate change using Tidyverse
- Applied causal models using R programming and machine learning to analyze Zillow price data
- Concluded that the Silver Line's completion caused almost universal increases in house prices
- <https://github.com/umdfiresa2024/research-Silver-Lining.git>

## Extracurricular Involvement

**Incoming Vice President/Member**

Aug 2023–Present

*Ganji - UMD's K-Pop Dance Group*

- Supervised club administration through leading meetings, booking facilities, and adhering to marketing schedule
- Cultivated seamless communication between board members and with other similar organizations
- Led performances by spending extensive hours emphasizing synchronization and fixing details
- Organized elaborately themed events and showcases and hosted local dance groups and vendors

## Skills

- **Technical Skills:** programming (R, Python, Java, pandas, Tidyverse, HTML), data visualization, Google suite
- **Soft Skills:** interpersonal communication, presenting, professional writing, adaptability, intermediate Mandarin