

JACOB THRASHER

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EDUCATION

Ph.D.	West Virginia University , Computer Science	May 2027
BSCS	West Virginia University , Computer Science	Dec 2022
BS	West Virginia University , Mathematics	Dec 2022
	Summa Cum Laude, Honors Foundation Scholar	

EXPERIENCE

West Virginia University , Morgantown WV	2023-Present
Graduate Research Assistant , Dr. Xin Li	
<ul style="list-style-type: none">• Researching joint community and key player detection for dismantling online opioid trafficking schemes• Performing data processing measures for autism diagnosis from video interviews	
West Virginia University , Morgantown WV	2022
Undergraduate Research Assistant , Dr. Xin Li	
<ul style="list-style-type: none">• Developed flexible TikTok scraper with Python and Selenium to create a diverse dataset of drug related content• Implemented Vision Transformer models with PyTorch for binary classification	
Federal Bureau of Investigation , Chantilly VA	2020
Honors Intern , Technology Innovation Unit	
<ul style="list-style-type: none">• Designed email parsing and analysis tool to locate suspicious language in target's email. Programmed in Python utilizing Elasticsearch and Kibana software tools	

PUBLICATIONS

Hu, C. et al. Including Jacob Thrasher. "UDPEXplainer: an Interpretable Transformer-based Framework for Urban Physical Disorder Using Street View Imagery" (2023)

ACTIVITIES

Founder/President , Artificial Intelligence WVU	2021-2022
<ul style="list-style-type: none">• Led weekly meetings, maintained ongoing club projects, and taught technical workshops for beginners.	

- Brought in guest speakers from notable companies such as Tesla and Noblis to speak with the club members.

President, Game Developers Club

2020-2021

- Reworked the basic club structure to put more emphasis on real game development and public outreach rather than focusing solely on development theory
- Led weekly meetings, educating members on game development skills

VOLUNTEER WORK

Statler College Ambassador, West Virginia University

2022

"AI in a Day" high school workshop organizer, Artificial Intelligence WVU

2022

***Extra Life* charity event organizer, Game Developers Club**

2021

Girl Scouts game development badge workshop, Game Developers Club

2019