

JACOB THRASHER

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EDUCATION

BSCS	West Virginia University , Computer Science	Dec 2022
BS	West Virginia University , Mathematics	Dec 2022
	Summa Cum Laude, Honors College, Statler College Ambassador	

WORK AND RESEARCH EXPERIENCE

West Virginia University , Morgantown WV	2022
Undergraduate Research Assistant , Dr. Xin Li	

- Developed flexible TikTok scraper with Python and Selenium to create a diverse dataset of drug related content.
- Implemented ViT and ViViT models with PyTorch for binary classification.
- Integrated synthetic and Instagram data, improving model performance by 15%.

Federal Bureau of Investigation , Chantilly VA	2020
Honors Intern , Technology Innovation Unit	

- Designed email parsing and analysis tool to locate suspicious language in a target's main. Programmed in Python utilizing Elasticsearch and Kibana software tools.

COMPUTER SKILLS

Programming: Python, C, Java, MATLAB
Machine Learning APIs: PyTorch, Keras, Tensorflow
Platforms: Visual Studio Code, Google Colaboratory

LEADERSHIP

Founder , Artificial Intelligence WVU	2021-2022
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- Led weekly meetings, maintained ongoing club projects, and taught technical workshops for beginners.
- Organized multiple "AI In a Day" high school workshops in which students were taught the fundamentals of Python and neural networks

President , Game Developers Club	2020-2021
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- Reworked the basic club structure to put more emphasis on real game development and public outreach rather than focusing solely on development theory

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