

Huong Y Quach

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Dear Init internship coordinator,

I'm currently a junior majoring in electrical engineering and minoring in cybersecurity. I am eager to contribute my skills to your team. This past summer I did machine learning research at Old Dominion University. I'm applying for the project management internship opportunity you are offering. My background in electrical engineering, combined with my experience in research and leadership, has strengthened my ability to manage projects effectively, communicate technical concepts, and work collaboratively in team environments. I am particularly drawn to this internship because I'd like to apply my knowledge and learn in a real-world setting.

Skillset:

- Hardworking
- Teamwork/Collaboration
- Leadership Skills
- Communication in a group setting
- Problem solving
- Commitment

Thank you for considering me as a potential candidate for the project management internship. I am fully committed to making the most of this wonderful experience and contributing to your company. It would be an honor to be a part of this program. Please feel free to contact me for any inquiries via phone (757)776-8889 or email (hquac001@odu.edu).

Huong

Education

- Old Dominion University, Norfolk, VA
May 2022-Current (Expected Graduation 2026)

Experience

- **CyberLinc, Program Director | Hampton, VA (January 2024 - Present)**
Responsible for curriculum development and internal program management. I oversee a 13 person team of cybersecurity instructors and public affairs admins to deliver classes, bootcamps, and summer camps.
www.cyberlinc.org

- **REU, Undergraduate researcher | National Science Foundation (Summer 2024)**
During this program, I learned about the mechanisms of training AI systems, through hands-on experiments with convolutional neural networks, image classifiers, and adversarial patches. I trained models for image classification and deception using large datasets, fine-tuning loss functions, and using the Nvidia Jetson Nano. A highlight of my work was the development of a robust shaped patch, able to effectively fool the YOLOv2 detection algorithm.
https://drive.google.com/file/d/1JlvK4ir1-8d3sJyOMmc2do-3Dzb2l2fQ/view?usp=drive_link

- **Cova CCI, Undergraduate researcher | Old Dominion University (Fall 2023)**
I engaged in a research project under the guidance of a professor, meeting bi-weekly to learn more about applications of AI in UAVs. This program taught me how to code in Python and use Linux, and introduced me to image classification and Pytorch. I had the opportunity to handle a large dataset, I coded an image classifier that effectively sorted images into 3 categories. My experience culminated in the authoring of a paper, which I presented at a showcase event. This experience provided me with exposure to presenting in a professional setting.
<https://digitalcommons.odu.edu/covacci-undergraduateresearch/2023fall>

Extracurricular

- **Sigma Pi Fraternity, Treasurer | Old Dominion University (November 2024 - Present)**
I spearheaded fundraising initiatives that raised over \$15,000. I had financial responsibilities: revenue collection, budgeting, proposals, financial reporting, and expenditures for a fraternity of over 50 active members. Managed two committees totalling 20 people. As well as facilitating effective communication between the chapter, alumni, advisor, and nationals, fostering trust and engagement. Attend weekly meetings to discuss fraternity business, budget updates, and upcoming events.