

# Andy Le

US Citizen | andylecontact@gmail.com | (540) 812-6010 | Blacksburg, VA |

## EDUCATION

**Virginia Polytechnic Institute and State University**  
*B.S., Computer Science (Concentration: Secure Computing), GPA: 3.42/4.00*

- Relevant Coursework: Computer Organization I, Data Structures & Algorithms, Object-Oriented Programming

Expected Graduation May 2027  
*Blacksburg, VA*

## EXPERIENCE

**Undergraduate Research Assistant**  
*Hume Center for National Security and Technology (Project: RFML for Anomalous Signal Character)*

- Worked on a real-time anomalous transmitter that takes signal input for anomalous signal transmission
- Leveraged YOLOv7 on a dataset of 100,000 images to train for wireless data mislabeling detection
- Writing a technical report and prepared poster summarizing findings for the Annual National Security Colloquium

September 2024 - Present  
*Blacksburg, VA*

## PROJECTS

**Waste Image Recognition App**  
*Project*

- Developing a mobile app with a team of 4 and leveraging Swift and Python along with OpenCV in image classification of materials for recyclability
- Aiming to improve classification accuracy through further training of the Keras model and expanding the material database for recyclability

February 2025 - Present  
*Blacksburg, VA*

**Social Media Visualization Dashboard**  
*Project*

- Designed a Java dashboard with a team of four to analyze engagement rates through implementing an insertion sort using a doubly linked list
- Built an interactive GUI with filtering/sorting options based on metrics types and time periods
- Collaborated via GitHub with agile milestones and UML documentation

November - December 2024  
*Blacksburg, VA*

## SKILLS

**Languages:** Java, Python, C, HTML/CSS  
**Libraries/Frameworks:** OpenCV, NumPy, PyTorch, YOLOv7, UMAP  
**Developer Tools:** Git, GitHub, VS Code, MS Office

## LEADERSHIP & ACTIVITIES

**Fashion Committee Head**  
*Filipino American Student Association at Virginia Tech*

- Organizing and leading traditional and modern fashion show performances, fostering community engagement and cultural awareness of filipino culture
- Coordinating with 37 performers and other committee heads to ensure a successful culture show

December 2024 - April 2025  
*Blacksburg, VA*

**Demo Performance Team Member**  
*Taekwondo Club at Virginia Tech*

September 2024 - Present  
*Blacksburg, VA*