

Peyton Tran

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EDUCATION

Louisiana State University (LSU), Baton Rouge, LA
B.S. Computer Science, Cybersecurity Concentration

Expected May 2028
GPA - 3.94

EXPERIENCE

Undergraduate Researcher

September 2024 - December 2024

Dr. Aisha Ali-Gombe's SySec Lab at LSU, Baton Rouge, LA

- Learned embedded C to design a gaming console out of a Raspberry Pi to gain experience in embedded programming.
- Learned to extract firmware and use JTAG to exploit hardware devices.

Undergraduate Researcher

September 2024 - December 2024

Dr. Aisha Ali-Gombe's SySec Lab at LSU, Baton Rouge, LA

- Spent several hours researching IoT devices, including watching videos and reading documentation on a particular device (security camera).
- Learned and familiarized myself with the Linux command line.
- Used a multimeter to measure electrical signals to identify the UART console on the camera's PCB.
- Used a soldering iron to attach pins to the UART console to gain access to serial communication with the camera.
- Partnered with undergraduate students, graduate students, and professors to try and break the camera's encryption.

Volunteer and Attendee

July 2024

Digital Forensics Research Workshop (DFRWS) 2024 USA, Baton Rouge, LA

- Administered facilities and products by distributing organization-branded merchandise, cable management, and disposing of waste in order to reduce the workload on event administrators and allow the event to operate smoothly.
- Actively participated in workshops and listened to paper presentations.

Executive Board

September 2024 - Present

Security Society at LSU, Baton Rouge, LA

- Researched IoT security and gained root access of a home security camera by exploiting UART interface to develop a presentation on IoT exploitation.
- Built and delivered a talk on IoT security after researching to teach IoT exploitation to students.

SKILLS / HONORS / ACTIVITIES

Activities: Officer of Security Society at LSU (SSL)

Certifications: Digital Forensics Investigation & Cyber Security Awareness Level One Certificate, NSA Codebreaker 2024 Task 1

Languages: Java, C, Linux terminal (Bash), Windows Powershell, basic knowledge in HTML, JavaScript, CSS

Honors: Taylor Opportunity Program for Student (TOPS) Honors Recipient, Ogden Honors College, LSU Dean's List
