

Education

- **Louisiana State University** Baton Rouge, LA
Bachelor of Science in Computer Science
– Concentration in Software Engineering
– Minor in Mathematics
Fall 2023 - Spring 2027

Research

- **The Applied Cybersecurity Lab** Baton Rouge, LA
Lab Minion
– Set up 100+ default virtual machine images for malware research
– Categorized all lab publications
– Manually updated all lab machines to consistent setup
– Gave talks on various topics like Packers and Polymorphic Malware
Fall 2023 - Present
- **Functional Programming Seminar Group** Baton Rouge, LA
Paper Reading Group
– Analyzed papers and lectures related to Functional Programming, Formal Verification, and Homotopy Type Theory
– Watched and discussed Harper Homotopy Type Theory lectures
– Read and discussed Program = Proof
Spring 2025 - Present

Projects

- **SSL Hack-o-Ween** Baton Rouge, LA
Month-long CTF competition
– Created a CTF framework and challenges
– About 30 students participated
Sep 2024 - Oct 2024
- **ITS-138 Restoration Project** Remote
Listing transcription and bugfixing
– Transcribed 50 pages of Assembler from printed listings, which was assembled into a functioning boot tape
Dec 2023 - Jan 2024
- **Homelab** Baton Rouge, LA
Backups, Service Hosting, etc.
– Learned fundamental systems administration for various Linux distributions, *BSD, Plan 9, and Solaris/Illumos (OmniOS CE)
– Maintained 1+ year uptime on primary server, with only one outage after setup (power outage)
– Restored 10+ broken laptops/desktops and 2 printers to active use for <\$1000 in total
Aug 2023 - Present

Relevant Coursework

- **CSC 4360: Reverse Engineering and Malware Analysis** Baton Rouge, LA
Taught by Andrew Case
– Audited, received equivalent of A grade
– Used IDA Pro to reverse engineer the Michelangelo, DOS7, and SQL Slammer viruses
Spring 2024
- **CSC 4362: Software Vulnerabilities and Exploitation** Baton Rouge, LA
Taught by Andrew Case
– Audited, received equivalent of A grade
– Learned basic software exploitation over C, including buffer overflows, ROP attacks, printf exploits, heap overflows, etc.
Fall 2024

Student Organizations

- **The Security Society at LSU (SSL)** Baton Rouge, LA
Executive Board
– Lectured on cybersecurity topics like malware creation, supply chain exploits, retrocomputing, etc.
– Built and ran CTF competitions within the club
Aug 2023 - Present
- **SASE Hackathon** Baton Rouge, LA
Code Mentor
– Guided teams through Git and web development and ran a web exploitation workshop
Nov 2024
- **WiCS Hackathon** Baton Rouge, LA
Code Mentor
– Guided teams in web development in React and game development in Unity
April 2024, March 2025

Skills

- Agda, C89, Go, IA32 Assembler, Mercury, Prolog *Languages*
- ACK, *BSD, Emacs, GDB, IDA Pro, Linux, TECO, VI *Tools*

Miscellaneous

- The Golden Band from Tigerland, Trumpet *Fall 2023 - Present*
- The Bengal Brass Basketball Band, Trumpet *Fall 2024 - Spring 2025*
- Eagle Scout *Earned Spring 2023*