

## Andrew C. Chu

---

CONTACT INFORMATION	<a href="mailto:chu108@purdue.edu">chu108@purdue.edu</a> <a href="https://andrewcchu.github.io">andrewcchu.github.io</a>	
EDUCATION	<b>B.S., Computer Science</b> , Purdue University, West Lafayette, IN, USA G.P.A.: 3.57/4.00	<b>Dec. 2020</b>
EMPLOYMENT	<b>R&amp;D Intern (DOE L Clearance)</b> — Sandia National Laboratories (SNL) Albuquerque, NM, USA Developed forensic incident response programs (Thunderbird Cup, Tracer FIRE) focused on the areas of web vulnerabilities, macOS exploitation, privilege escalation, and remote code execution Configured a virtualized environment comprised of virtual machines using VyOS and the Xen hypervisor for use in Blue Team training simulations Replicated and visualized Open vSwitch (OVS) vulnerabilities affecting the OVS megaflo w cache on a virtualized SDN cluster environment Implemented optimization of an internal YARA rule classification tool to improve runtime efficiency and practical accessibility	<b>June 2014 – Present</b>
PROFESSIONAL ACTIVITIES	<b>Host</b> — Purdue Old Masters West Lafayette, IN, USA One of 50 undergraduate students on campus selected to organize community outreach between various student organizations on campus, to promote discussion of diversity, inclusion, and representation  <b>Vice President, Programming and Education</b> — Purdue Interfraternity Council West Lafayette, IN, USA Coordinated trainings, programs, and conferences with fraternity/sorority relevant industry professionals to educate over 6,500 Greek community members	<b>Sept. 2018 – Nov. 2018</b>  <b>Nov. 2017 – Nov. 2018</b>
WORKSHOPS, PRESENTATIONS & INVITED TALKS	1. SNL Tracer FIRE <i>DEF CON 28 SAFE MODE Blue Team Village</i> <i>University of Arizona, Tucson, AZ, USA</i> <i>Purdue University, West Lafayette, IN, USA</i> 2. SNL Thunderbird Cup <i>University of New Mexico, Albuquerque, NM, USA</i> <i>Benedict College, Columbia, SC, USA</i> <i>University of the Virgin Islands, St. Thomas, Virgin Islands, USA</i>	<b>Aug. 2020</b> <b>July 2020</b> <b>Apr. 2019, Oct. 2019, Oct. 2020</b>  <b>July 2018</b> <b>June 2018</b> <b>July 2016</b>
AWARDS & HONORS	Featured Purdue CS article — <a href="#">Volunteering for research leads to first paper</a>	<b>Spring 2020</b>
SKILLS	<b>Programming</b> —Proficient in Java, C/C++, Python, Bash. Experience in R, PowerShell, ARM/x86 Assembly. Markup languages: $\text{\LaTeX}$ , HTML, CSS, Markdown. <b>Operating Systems</b> —Mac OS, Linux/*nix, Windows. <b>Software &amp; Services</b> —Ghidra, AWS (Route 53, ELB, EC2, S3), Autopsy, Elastic Stack. <b>Languages</b> —English, Mandarin Chinese (Conversational)	