Andrew C. Chu

CONTACT INFORMATION	chu108@purdue.edu andrewcchu.github.io

EDUCATION

B.S., Computer Science, Purdue University, West Lafayette, IN, USA   **December 2020**

     G.P.A.: 3.46/4.00

EMPLOYMENT

R&D Intern (DOE L Clearance) Sandia National Laboratories

Albuquerque, NM, USA   **June 2014–Present**

Developed forensic incident response exercises focused on the areas of web vulnerabilites, related privilege escalation execution approaches, and remote code execution

Replicated and visualized Open vSwitch (OVS) vulnerabilities affecting the OVS megaflow cache on a virtualized SDN cluster environment

Implemented updates to local instance of yarGen Yara rule classification tool to improve runtime efficiency and practical accessibility

Deployed system to automate provisioning and configuration of Windows virtual machine environments

PROFESSIONAL ACTIVITIES, OUTREACH, AND SERVICE

Workshop Presenter

Sandia National Laboratories Tracer FIRE, Purdue	**Spring 2019**
Sandia National Laboratories Thunderbird Cup, UNM	**Summer 2018**
Sandia National Laboratories Thunderbird Cup, Benedict College	**Summer 2017**
Sandia National Laboratories Thunderbird Cup, UVI	**Summer 2016**

Purdue Old Masters

Host   **September 2018 - November 2018**

One of 50 undergraduate students on campus selected to organize community outreach between various student organizations on campus, in an effort to promote discussion of diversity, inclusion, and representation

Purdue Interfraternity Council

Vice President, Programming and Education   **November 2017 - November 2018**

Coordinated trainings, programs, and conferences with fraternity/sorority relevant industry professionals in efforts to educate over 6,500 Greek community members

SKILLS

Programming—Proficient in Java, C/C++, Python, Bash.
Experience in R, PowerShell, ARM/x86 Assembly.
Markup languages: LaTeX, HTML, CSS, Markdown.

Operating systems—Mac OS, Linux/*nix, Windows.

Languages—English, Mandarin Chinese (Conversational)

PUBLICATIONS

1. WK Lee, T Morris, **A Chu**, K Gilmore, J Russ, A Carter, (2016) *ABQ ThunderBird Cup v3. 0 Alpha Workshop: Workshop Analysis 2016.*, [OSTI:1334945].