

# JEFFREY C. CHING

(657)363-9473 ♦ cching01@psu.edu ♦ jeffreycchhing.github.io

## EDUCATION

---

### **The Pennsylvania State University**

2021-present

Ph.D. in Computer Science, Advisor: Dr. Danfeng Zhang

### **Syracuse University**

2019-2021

MS in Computer Science, Advisor: Dr. Kristopher Micinski

Thesis: Enhancing Usability of Malware Analysis Pipelines with Reverse Engineering

## RESEARCH INTERESTS

---

Information Flow, Static Analysis, Programming Language, Security

## RESEARCH

---

### **The Pennsylvania State University**

August 2021-present

- Currently working on dynamic information flow, and language based security

### **Syracuse University, NY**

March 2020-June 2021

- Queuing and integrating multiple binary analysis for further analysis.
- Write Ghidra plugins using java and python for analyzing the binary files.
- Create GitHub scraper in Python.

## PUBLICATIONS

---

1. Yihao Sun, **Jeffrey Ching**, and Kristopher Micinski. Declarative Demand-Driven Reverse Engineering. *The NDSS workshop on Binary Analysis Research (BAR'21)*

## TEACHING

---

### **CMPSC461 TA**

Fall 2021

*Penn State University CSE*

- TA for CMPSC 461 programming language concepts

### **Athletics Academic Tutoring**

August 2019-July 2021

*Syracuse Athletics Department*

- Tutoring D1 athletics student on mathematics(statistics, Calculus 1,2,3), physics and chemistry.

## EMPLOYMENT

---

### **Penn State University, PA**

January 2022-current

*Research Assistant*

- Working under the supervision of Dr. Danfeng Zhang

### **Fortemedia, CA**

June-August2016

*Internship*

- On-site internship under the hardware group.

## AWARDS AND RECOGNITIONS

---

Syracuse University      Merit Scholarship(2019)