Chris Cohen

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in chris-cohen-purdue

🌐 https://www.chriscohen.dev

GRADUATING MAY 2021

EDUCATION

August 2017 – Present

Bachelor of Science (Software Engineering and Cybersecurity)

Purdue University in West Lafayette, IN
- 3.83 GPA
- 6x Purdue Dean's List
- 5x Semester Honors

TECHNICAL SKILLS

Programming Languages

C	C++	Python	ARM/x86 Assembly	Bash	Javascript

Notable Classes Taken
- CS250 Computer Architecture
- CS251 Data Structures and Algorithms
- CS252 Systems Programming
- CS354 Operating Systems (with XINU OS)
- CS422 Computer Networks

Relevant Knowledge
- Memory Management
    - Paging and Virtualization
    - Cache Memory Hierarchy
    - Runtime Stack Management
- Systems Programming
    - Inter-Process Communication, Concurrency/Parallelism
- Operating Systems
    - Process Scheduling, Synchronization
    - Software/Hardware Interrupts and Device Management
    - System Call Conventions (with hadware and software)
    - Process Hijacking through the runtime stack
- OSI/ISO Model
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    - Assembled a robust memory allocation library and a richly-featured shell
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WORK EXPERIENCE

May 2020 – Present

Embedded Software Engineering Intern

Qualcomm, QGOV Division
- TBD...

May 2019 – August 2019

Software Engineering Intern

Naval Surface Warface Center, Crane Division
- Improved US Navy missile sustainment efforts by upgrading an existing natural language processing algorithm to process failure databases.
- Currently hold a valid 'secret' level security clearance.

EXTRACURRICULARS

January 2020

Sudoku Solver in C++

- Implemented 5 algorithms that completed 40-50% of given boards
- Finished remaining boards with a brute-force backtracking algorithm

April 2020

Web Server Honeypot

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