



Chris Cohen

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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 hardware 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 Warfare 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

