

Christopher Cohen

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EDUCATION

Purdue University

West Lafayette, IN

Graduating May 2021

Fall 2017 – Present

- Computer Science – **3.83 GPA**
 - *Security and Software Engineering Tracks*
 - *Minor in Math*
- Purdue Dean's List & Purdue Semester Honors

Fall 2017 - Present

TECHNICAL SKILLS

- Software/Hardware
 - UNIX, VSCode, PyCharm, IntelliJ, VIM, Anaconda, Android Studio, Raspberry Pi
- Computer Programming and Markup
 - Python, C, Java, Bash, ReactJS, ARM Assembly, HTML, LaTeX

PROFESSIONAL/TECHNICAL EXPERIENCE

Naval Surface Warfare Center, Crane Division

Crane, IN

May 2019 – Aug. 2019

- Currently hold a valid 'secret' level security clearance.
- Improved US Navy missile sustainment efforts by upgrading an existing natural language processing algorithm to process failure databases.
- Patent pending for the program with my name included.

Classes Taken

- **CS25200 – Systems Programming** **Aug. 2019 - Present**
 - Assembled a robust memory allocation library and fully functional terminal shell from scratch in C.
 - Extensively studying how the UNIX environment functions.
- **CS30700 – Software Engineering** **Aug. 2019 - Present**
 - Cooperating on frontend and backend with a group of 6 to create a website that is a cross between Twitter and Reddit.
- **CS25100 – Data Structures and Algorithms** **Jan. 2019 – May 2019**
 - Data Structures: stacks, heaps, queues, trees, hash maps, etc.
 - Algorithms: big-O, sorting, optimal tree/graph traversal, etc.
 - Programmed in Java to create programs for queuing, red-black trees, graph traversal, and hashing.
- **CS25000 – Computer Architecture** **Jan. 2019 – May 2019**
 - Built circuitry and learned how computers work at the lowest level.
 - Programmed printf() from scratch in ARM assembly.

EXTRACURRICULAR INVOLVEMENT

Purdue University Undergraduate Teaching Assistant

Aug. 2019 – Present

- Work in a lab for CS25000 – Computer Architecture.
- Instruct students the concepts needed for a complete understanding of computer architecture.

Special Interest Group App Club (SIGApp)

Aug. 2018 – Present

- Collaborating with the Purdue Police Department to produce an application providing students with an officer escort home
- Devising a user-friendly web interface for dispatchers to successfully and efficiently assign officers to students requesting an escort.