

Christopher Choy

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EDUCATION

UNIVERSITY OF CHICAGO

BS IN COMPUTER SCIENCE

Conc. in Computer Systems

Expected June 2019 | Chicago, IL

WORCESTER PREPARATORY

HIGH SCHOOL DIPLOMA

Headmaster's List (All Semesters)

Grad. May 2015 | Berlin, MD

LINKS

Github:// [cchoy96](#)

LinkedIn:// [cchoy96](#)

COURSEWORK

UNDERGRADUATE

Operating Systems

Computer Architecture

Networks and Distributing Systems

Intro to Databases

Statistical Methods and Applications

SKILLS

PROGRAMMING

Proficient:

C

Familiar:

Java • C++ • Python • DrRacket

SQL • SQLite • Swift • Assembly

HTML • CSS

Exposure:

PHP • R • Django • JavaScript

PostgreSQL

TOOLS/ENVIRONMENTS

Proficient:

Git • Atom • Sublime • Max OS X

Linux/Unix • Photoshop CS6

Familiar:

LaTeX • Microsoft Excel • Xcode

Exposure:

Vim • Windows 10

INTERESTS

Kendo • Tennis • Soccer • Smash 4

Guitar • Animation • Computer Graphics

East Asian Languages & History

EXPERIENCE

CSIL, UNIVERSITY OF CHICAGO | PROGRAMMER, TUTOR,

STUDENT OFFICE ASSISTANT

Jan 2017 - present | Chicago, IL

- Utilized Ansible automation in creating and maintaining Mac OS X 10.11 and 10.12 computer images.
- Collaborated with peers to maintain lab machine backups and track and gather daily lab usage statistics over the course of 6 months.
- Worked an average of 15 hours per week while handling student and extracurricular responsibilities.

FEMMES, UNIVERSITY OF CHICAGO | HEAD OF MODULES,

CURRICULUM COMMITTEE MEMBER

Jan 2017 - present | Chicago, IL

- Reduced future gender parity by engaging with female middle school students and facilitating their understanding of key computer science concepts through straightforward, hands-on lessons.
- Designed 8 stimulating weekly curricula and 5 annual capstone modules in collaboration with fellow undergraduates and university professors.

NOTABLE PROJECTS

PINTOS | OPERATING SYSTEMS CLASS PROJECT

Sept - Dec 2017 | Score: 277/300

- Used C to implement key features on top of an instructional operating system framework, Pintos, that improved the code's performance and reliability.
- Implementation highlights: thread priority donation, virtual memory, system calls, separation of user and kernel space, and a better file system.

CHIRC, CHITCP, CHIROUTER | NETWORKS CLASS PROJECTS

Jan - Mar 2017 | Scores: 98%, 98%, 97% (respectively)

- Used C to implement actual network protocol specifications found at multiple software levels of today's common networks and distributed systems.
- Implementation highlights: a Transmission Control Protocol (specified in RFC793), a simple IPv4 datagram router, and a working internet relay chat.

LEADERSHIP

2017-2018 President

Shorey House, University of Chicago

2017-2018 Vice President

Japanese Animation Society, Univ. of Chicago

2017-2018 Head of Modules

FEMMES, University of Chicago

2016-2017 Secretary

Shorey House, University of Chicago

2014-2015 President

Class of 2015, Worcester Preparatory School

2014-2015 Captain

Varsity Tennis, Worcester Preparatory School

AWARDS & SOCIETIES

2014 Top 10% Cum Laude, William E Esham Jr Chapter

2014 State Maryland Young Authors' Contest Winner: 1st Place

2014 National Art Honor Society

2013 National Honor Society