

# 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

Discrete Mathematics

Statistical Methods and Applications

## SKILLS

### PROGRAMMING

Proficient:

C

Familiar:

Python • Assembly • DrRacket

HTML • CSS

Exposure:

PHP • R • Django • JavaScript

### TOOLS

Proficient:

Git • Atom • Sublime • Max OS X

Photoshop CS6 • Microsoft Word

Familiar:

Linux/Unix • Microsoft Excel

LaTeX

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

- Engaged with female middle school students by 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.
- Made meaningful efforts to reduce future gender parity and discrimination in STEM fields by giving young female students real-world skills and the inspiration to continue their studies in computer science.

## 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