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:
    Python • Java • DrRacket
    Assembly • 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
- 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