Christopher Daniel Choy

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EDUCATION

The University of Chicago   Chicago, IL
Bachelor of Science, Computer Science   Expected, June 2019
Relevant Courses: Operating Systems, Computer Architecture, Networks, Discrete Mathematics, Statistical Methods and Applications

EXPERIENCE

Computer Science Instructional Laboratory, Univ. of Chicago   Chicago, IL
Programmer, Tutor, Clerical Student Office Asst.   Jan. 2017 - *present*
- Utilized Ansible automation in creating and maintaining Mac OS X 10.10 and 10.12 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.

Design/Her (formerly FEMMES), Univ. of Chicago   Chicago, IL
Head of Modules, Curriculum Committee Member   Jan. 2017 – *present*
- Reduced future gender parity by helping female middle school students to facilitate their understanding of key computer science concepts through straightforward, hands-on lessons.
- Designed 8 intellectually 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
- Used C to implement key features on top of an instructional operating system framework 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
- 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.

SKILLS

Programming/Languages: C, Assembly, DrRacket, R, HTML, CSS, PHP, Python
Systems: Linux/Unix, Mac OS X 10.10 and 10.12, Windows 10
Software: GitHub, Atom, LaTeX, Microsoft Excel & Word, Adobe Photoshop CS6

LEADERSHIP

President, *Shorey House, Univ. of Chicago*   June 2017 – *present*
Vice President, *Japanese Animation Society, Univ. of Chicago*   June 2017 – *present*
Head of Modules, *Design/Her, Univ. of Chicago*   Jan 2017 – *present*
President, *Class of 2015, Worcester Preparatory School*   Sept 2014 – June 2015
Editor-in-Chief, *Yearbook, Worcester Preparatory School*   Sept 2014 – June 2015

INTERESTS

Kendo, Tennis, Soccer, Smash 4, Guitar, Animation, Graphics, East Asian Lang. & History