

Alexander Holland

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Computer Science Engineering student with a Minor in Music. Pursuing full time employment in computer security or software development fields. I have received awards for Technical Communication and am an accomplished percussion performer.

Education

- 2014-2018 **University of Michigan College of Engineering**
B.S.E in Computer Science
Related Coursework : Data Structures and Algorithms, **Computer Security**, Computer Organization
Awards : 2nd 2015 Cooley Technical Writing Contest, 2nd Place 2015 Landes Technical Writing Contest
Groups
➤ Peer Mentor in Living Arts Learning Community: Mentored students in a living learning community focused around interdisciplinary collaboration and creativity

Work Experience

- Present**
January 2017 | **University of Michigan | Research Assistant**
➤ Modified and Maintained the backend of Censys, an internet wide search engine
➤ Designed and created ZGrab2, a Banner Grabber in Go
➤ Implemented an SMB scanner and was a driving force behind a protocol expansion
- Present**
January 2017 | **EECS388 : Introduction to Computer Security | Instructional Aide**
➤ Introductory course on computer security. Covered buffer overflows, networking attacks, standard cryptographic functions and protocols and computer forensics
➤ Facilitated a weekly discussion section to reinforce concepts taught in lecture
➤ Held weekly office hours to assist students with projects and homeworks
➤ Assisted with grading of projects and homeworks
- August 2017**
August 2014 | **University of Michigan Dining | Student Manager/Student Coordinator**
➤ Implemented and integrated an attendance tracking system in Google Scripts
➤ Supervised, monitored, and assigned work to 10-20 student employees per shift
➤ Trained students and coordinators on dining hall procedures

Skills

Programming Languages : **C++, Go**, C, Python, JavaScript, LaTeX, Java, Matlab
Development Tools : Visual Studio, git, gitlab, github, vim

Music

- 2016 **Cavaliers Drum and Bugle Corps**
Top 5 Drum and Bugle Corps
Practiced and performed a 15 minute show for 12 hours a day for 90 days during the summer
- 2016 **Informal Sophomore Recital**
Practiced and performed an informal recital for about 20 people
- 2013-2015 **Legends Drum and Bugle Corps**
Top 25 Drum and Bugle Corps
3rd place at 2015 Individual and Ensemble Competition
Practiced and performed a 10 minute show for 12 hours a day for 60 days during the summer
- 2015/2016 **University of Michigan University Band**
Performed multiple semesters in the highest non-major band at U of M

References

Peter Honeyman, *Research Professor, University of Michigan*
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