

Krysten P. Harvey
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EDUCATION

Vanderbilt University, Nashville, TN
Junior
Computer Science & Biological Sciences Major

Fall 2015-Present

Lipscomb University, Nashville, TN
College of Computing and Technology

Fall 2014-Spring 2015

COMPUTER SKILLS & EXPERIENCE

Programming Languages

- Python
- Java
- JavaScript
- D3
- AngularJS
- Processing
- MIPS
- R
- HTML
- CSS

Experience

- Gitlab
- Github
- ACM Programming Competition 2014
- Hack Nashville 2014
- Experience with Android App Development
- Interactive Visualizations with D3
- App Development through Ionic Hybrid

WORK EXPERIENCE

Vanderbilt School of Medicine, Biomedical Informatics Intern
June 2016-August 2016

- Designed a Precision Medicine Clinical App for the Visualization of Cancer Gene Variants

Mississippi State University Undergraduate Researcher
June 2015-August 2015

- Worked in Bioinformatics Lab

- Presented final project: “Genomic Response in Mouse Models with S. aureus Infection Mimics Human Sepsis”

Lipscomb University

College of Computing and Technology

CCT Recruiting Team

Student Worker

Fall 2014

- Plan and organize recruiting events, contests, and informational sessions
- Update College of Computing website using HTML
- Represent college in conferences

INVOLVEMENT

Project Nicaragua

January 2016-present

- Campus Director
- Non-profit that participates in medical mission work in Nicaragua

Vanderbilt Students Volunteer for Science

Fall 2015- present

- Program robots, teach chemistry lessons
- Team Leader

Ethos Church Volunteer

Fall 2015- present

- Work in nursery Sundays

McMurray Middle School Volunteer

September 2014- present

- Tutor refugee children in English
- Serve as mentor for children throughout the school year

Intramural Volleyball

Fall 2014

- Served as team’s defensive specialist
- Contributed to team effort in achieving an undefeated regular season

Vanderbilt Society of Women Engineers

Fall 2015-Present

Vanderbilt MAPS

Fall 2015-present

(Minority Association of Pre-Med Students)

Vanderbilt Medical Center Shadow

Spring 2016-present

HONORS & AWARDS

Selected to research present and received travel grant for ABRCMS 2015 conference

2nd Place Lipscomb University ACM Programming Competition

Lipscomb Presidential Scholar

2nd Place Engineering Project University of Alabama Site Program

3rd Place Computer Science UA Site Program

NAACP ACT-SO Honorable Mention (Genetics and Drugs Project)

1st Place UT Medical School Summer Science Institute Diabetes Project

Science, Engineering, and Mathematics Courses

Sciences

AP Biology

AP Chemistry
General Chemistry I & II
Cell and Genetics (Intro to Bio I)
Intro to Bio II
Physics I

Computer Science

Intro to CS
Intro to Programming
Object Oriented Programming
Computer Organization
Intro to Software Design

Mathematics

Discrete Math
Calculus I
Calculus II
Multivariable Calculus