Savanah Barnes

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Michigan State University – Dual Degree B.S. 2023 Candidate, Computer Science & Psychology - Honors College
Minors: Cognitive Science, Philosophy

EXPERIENCE

Department of Computer Science, East Lansing, MI — *Undergraduate Teaching Assistant (TA)*

August 2020 – PRESENT

I run a lab for CSE 231 with 22 students weekly, and open 2 and a half hours of office hours once a week. (Introduction to Computer Science in Python 1) I create and present material slides, help coordinate and teach a lab, and grade: labs, homework, and exams. Monitoring the class forum is a constant activity, and I make additional class materials in my free time.

Institute for Global Health, East Lansing, MI — *Student Assistant (Clerical)*

August 2019 - November 2020

Recruiter on the Educational Study Abroad Committee. 50% study abroad recruiting/marketing and detailing, 50% IT and technical support (including light HTML and heavy Microsoft Suite use.) I have multiplied the engagement online and in person within our department.

Can You Hear Me?, Global— *Internet Marketing Coordinator*

December 2014 - June 2019

Hired as a teen representative then promoted to Internet Marketing Coordinator and placed on the Board of Directors after promoting change in our organization. Duties included light coding, marketing, media posting, and content creation. While coordinator, we experienced an increase in social media engagement.

EDUCATION

Michigan State University, East Lansing— *Bachelors (Honors)*

August 2019 - May 2023
GPA: 3.8

Pursuing a four-year bachelor's dual degree in Computer Science and Psychology. Will be applying to the five-year master's program for Computer Science in my 3rd year.

PROJECTS

Natural Language Processing/ Computational Social Science Lab: *Present*

I am working with Dr. Kristen Johnson using NLP in her CSS lab to predict and compare the ability of social movement political discourse to become viral on twitter. I am using Python to code and plan to present my findings next year.

GrizzHacks5: *Hackathon Top Ten*

Competed in GrizzHacks5 as the backend and co-frontend developer. Our team won Best Rookie Hack, Best Write up, and came in the Top Ten teams. Our team won based on our project "Content Warning" – an application that can scan websites, text, or images and produce content warning based on NLP analysis.

Python Programming: *CSE 231 - Weekly*

Course required one weekly, independent project including: finishing and building upon a Pokémon game and creating an Aces Up! game. Course also required a 2 hour, partnered lab.

C++ Programming: *CSE 232 - Four*

Course required four projects to be completed independently.

Engineering Projects: *EGR 100 - Two*

Course required two, randomly assigned, group projects. The first was building and coding an EV3 Lego robot to follow a line and carry a ball to its destination without user interference. The

SKILLS

● Java, C++, Python Programming
● Microsoft Suite
● Exceptional problem solving and decision making.
● Natural leader, but open to all input and guidance.
● Exceptional use of grammar and formal language.

AWARDS

Questbridge College Prep Scholar and National Match Finalist - Recognized as a distinguished scholar

Dean's List – Maintained Dean's list since beginning at MSU

Honors College Impact - Selected to be a part of a week-long leadership and volunteering project with the Honors College.

ACTIVITIES

● Women in Engineering
● Women in Computing
● Association for Computing Machinery
● Philosophy Club

RELATED COURSES

● Introduction to Programming in Python and C++ 1 & 2
● Discrete Structures
● Algorithms and Data Structures
● Computational Organization and Architecture
● Calculus 1 & 2
● Matrix Algebra
● Abnormal Psychology

second was to solve an engineering design problem, build a prototype, and present our work.