

Geoffrey Witherington-Perkins

Computer Science & Engineering

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EDUCATION

MICHIGAN STATE UNIVERSITY

B.S. Candidate, Computer Science, GPA: 3.24

Honors College Member

EAST LANSING, MI

August 2016 - May 2020

EXPERIENCE

MICHIGAN STATE UNIVERSITY

Undergraduate Learning Assistant

Taught a section of 20 students every week in Python in the Introduction to Computer Science class

Prepared lecture materials for a short lecture before leading the students through a weekly laboratory exercise

Held help-room hours for students each week, during which I answered questions on the weeks material, exercises, and projects

Created worksheets for students to gain a better understanding of the materials for each week

EAST LANSING, MI

Aug 2018 - Present

MSU BEACON CENTER FOR THE STUDY OF EVOLUTION

Research Assistant

Wrote automated test cases in Python for the AvidaEd project to prevent regression when new features are added

Searched for bugs in the AvidaEd program and reported them to the team supervisor

Assisted in the development of the AvidaEd program, an educational tool to assist teaching about evolution

Categorized survey data for the Scientific Virtues project

EAST LANSING, MI

August 2017 - August 2018

MSU NATIONAL SUPERCONDUCTING LABORATORY

Research Assistant

Wrote automated test cases in Python for the AvidaEd project to prevent regression when new features are added

Searched for bugs in the AvidaEd program and reported them to the team supervisor

Assisted in the development of the AvidaEd program, an educational tool to assist teaching about evolution

Categorized survey data for the Scientific Virtues project

EAST LANSING, MI

August 2016 - May 2017

TECHNICAL SKILLS

Languages

Proficient: Python, C++

Comfortable: C, Assembly

Web Development

Comfortable: HTML/CSS, JavaScript, Bootstrap

Machine Learning

Limited Experience: TensorFlow

RELEVANT COURSEWORK

Algorithms and Data Structures

Python

Object Oriented Software Design

C++, UML Designs

Computer Organization and Architecture

C, Assembly

Intro to Computer Science I

Python

Intro to Computer Science II

C++

Discrete Structures in Computer Science

Introduction to Computational Science

Python

ACTIVITIES / HONORS

DEFCON 26 Hacking Convention Attendee

August 2018

Michigan State University Honors Program

Fall 2016 - Present

Michigan State University Distinguished Freshman Scholarship

Fall 2016 - Present

National Honors Society

Fall 2015 - Spring 2016

National Merit Commended Scholar

Fall 2016

LEADERSHIP

MSU TRIANGLE FRATERNITY

Historian

Updated historical records of fraternity events

Document and photograph community, philanthropy, and social events, and provide updated information for the website

Inventory and organize ceremonial items in the chapter house

EAST LANSING, MI

August 2018 - Present

PORTFOLIO

LINKEDIN

[linkedin.com/in/geoffrey-w-perkins](https://www.linkedin.com/in/geoffrey-w-perkins)

WEBSITE

geoffreywperkins.github.io