

KATIE MACALINTAL

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College Address:

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14 Old Chapel Rd
Middlebury, VT 05753

EDUCATION

Middlebury College

Candidate for Bachelor of Arts Computer Science (undeclared)

Cumulative GPA: 4.0/4.0 (Spring 2021 College Scholar: Highest Academic Honor)

Relevant Courses: Data Structures (in JAVA), Calculus I, Computer Architecture (Now), Math Foundations of Computing (Now)

Middlebury, VT

Expected May 2024

EXPERIENCE

Middlebury's Computer Science Department

Introduction to Computing in Python Tutor

Middlebury, VT

September 2021 - Present

- Proactively address course assignments, which focus on exploring algorithmic strategies such as selection, iteration, divide-and-conquer, and recursion and coding in Python
- Guide students working on challenging projects in the right direction to promote active learning

Team4Tech

Remote University Intern at nonprofit dedicated to improving education in underserved communities

San Mateo, CA

June 2021 - August 2021

- Mentored five students through their undergraduate University application process and three science and technology-focused capstone projects from the Gashora Girls Academy of Science & Technology in Rwanda
- Organized weekly discussions with mentees to review progress, provide resources, and plan the next steps to achieve goals
- Researched and delivered a written report on the most suitable learning management system (LMS) platform for Tanzania Education Corp based on their desired criteria with a team of three other interns

PROJECTS

Card Game: War

Independent Project coded in JAVA

July 2021 - August 2021

- Developed an object-oriented program to play the card game of war
- Implemented GUI through Java Swing to create a more ideal user experience

Spell Checker

Simple but efficient interactive spell-checking program assigned as the final project of data structure course

May 2021

- Utilized HashTables to store words read from a dictionary file and enable time-efficient spelling verifications
- Implemented a bucket sort to efficiently order the misspelled words alphabetically
- Wrote a version of the input file with the misspelled words corrected according to the user's choice, a file containing a list of the misspelled words with their line numbers in order of appearance, and a file that displayed misspelled words alphabetically

LEADERSHIP

St. Andrew's School's Discipline Committee

Head of Committee (2019-2020), Class Representative (2018-2019)

Middletown, DE

September 2018 - May 2020

- Encouraged the St. Andrew's community to embrace the school's drug and alcohol-free culture of kindness
- Held formal and informal conversations with those that challenge the culture of the school

A Better Chance

Group Leader at non-profit dedicated to increasing the number of well-educated young people of color

New York City, NY

July 2019

- Prepared A Better Chance scholars, all of who identify as high performing students of color, for attending their member schools, most of which are private high schools with a predominantly white student population
- Led and instructed a series of activities that focused on pride, identity, and diversity

ADDITIONAL

- Skills: JAVA, Python, HTML/CSS, Adobe Premier
- Conferences: Grace Hopper Celebration 2021 Scholar, WECODE 2021 Conference, Liberty Mutual's Women in Technology Summit 2021
- Activities: MIDDCORE(x) Summer 2021, Women in Computer Science (WiCS++), South East Asian Society (SEAS), Women of Color (WOC)
- Interests: Non-Profit Organizations, Entertainment (film, comedy, music), Cooking/Baking, Meditation