

# KATIE MACALINTAL

## Permanent Address:

11 Moonachie Road  
Moonachie, NJ 07074  
(201) 779-6666

katiemacalintal@gmail.com  
katie11mac.github.io/website-portfolio  
github.com/katie11mac  
linkedin.com/in/katie-macalintal

## College Address:

3390 MC 00759066  
14 Old Chapel Rd  
Middlebury, VT 05753

## EDUCATION

### Middlebury College

*Candidate for Bachelor of Arts* Computer Science

Middlebury, VT

*Expected May 2024*

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

**Relevant Courses:** Data Structures (in JAVA), Calculus I, Computer Architecture, Math Foundations of Computing, Inclusive Design and Design Justice (Now), Algorithms and Complexity (Spring), Linear Algebra (Spring)

## 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 by 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

### Independent: Sorting Algorithm Visualizer (React)

*January 2022 - Present*

- Learning React to create an application that displays sorting algorithms in an intuitive and appealing user interface
- Implementing insertion sort, quick sort, and merge sort

### Independent: Card Game of War (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

### Data Structure Course: Spell Checker (JAVA)

*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

### Middlebury's Women in Computer Science (WiCS++)

Middlebury, VT

*President*

*January 2022 - Present*

- Facilitate executive board meetings and member meetings and act as a liaison between CS department administration to ensure WiCS++ continues to be a safe space for women
- Implement initiatives, such as stress busters and mentoring programs, to create a sense of community and support

### Middlebury's Computer Science Department

Middlebury, VT

*Student Advisory Committee Member*

*January 2022*

- Attend a simulated classroom lecture, research talk, and informal mixer hosted by computer science professor candidates
- Provide honest feedback to assist the department in making their final decisions and ensure that student's voices are represented

## ADDITIONAL

- Skills: JAVA, Python, HTML/CSS, Adobe Premier
- Conferences: Grace Hopper Celebration 2021 Scholar, WECODE 2021 and 2022 Conference, Liberty Mutual's Women in Technology Summit 2021
- Activities: MiddCORE(x) Summer 2021, South East Asian Society (SEAS), Women of Color (WOC)