

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

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

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

Skills: JAVA, Python, HTML/CSS, Adobe Premier

Middlebury, VT

Expected May 2024

EXPERIENCE

Middlebury's Computer Science Department

Tutor for Introduction to Computing in Python

- Work one-on-one with students on their course assignments, which focus on exploring algorithmic strategies such as selection, iteration, divide-and-conquer, and recursion by coding in Python during scheduled office hours
- Ask students guiding questions on their assignments to help them debug their code and promote active learning

Middlebury, VT

September 2021 - Present

Team4Tech

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

- Mentored three science and technology-focused capstone projects and five students through their undergraduate University application process 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

San Mateo, CA

June 2021 - August 2021

PROJECTS

Algorithms and Complexity Course: Closest Schools (JAVA)

March 2022

- Developed a program that found the closest pair of K-12 schools in Vermont based on data provided to address the financial challenges associated with schools where the student population has been falling
- Implemented an algorithm that found the closest pair of schools in $O(n \log n)$ time using divide and conquer paradigms

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 in Eclipse to create a more ideal and accessible 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 Club (WiCS++)

President

Middlebury, VT

January 2022 - Present

- Implement events, such as stress busters, interview prep, and resource workshops, to create a fun and supportive community for women in computer science
- Organize weekly executive board meetings, biweekly member meetings, and externally hosted conference logistics

Middlebury's Computer Science Department

Student Advisory Committee Member

Middlebury, VT

January 2022 - March 2022

- Attended a simulated classroom lecture, research talk, and informal mixer hosted computer science professor candidates
- Provided honest feedback to assist the computer science department in making their final decisions

ADDITIONAL

- 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)
- Interests: Non-Profit Organizations, Entertainment (film, comedy, music), Cooking/Baking, Meditation