Camille Merz

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EDUCATION

Mills College Interdisciplinary Computer Science, MA *Oakland, California*   Class of 2020

  GPA: 4.0, Lennox-McEntyre Award Recipient (for excellence in computer science and contributions to the community)

UC San Diego Bioengineering BS, Minor in Environmental Studies *La Jolla, California*   Class of 2016

PROGRAMMING SKILLS

Languages: Java, C++, C, experience with JavaScript, Python, SQL, LaTeX, Kotlin, Rust, Scheme, Go, Haskell

Tools + Technologies: Git, GitHub, REST, Spring Boot, Spring JPA, React, JetBrains IDEs (WebStorm, IntelliJ, Android Studio), Jira, Confluence, Eclipse, Flyway, Maven, Gradle, Mockito, JUnit

EXPERIENCE

LendUp Software Engineering Intern *Oakland, California*   June 2019 – August 2019

- **Data Catalog Back End**: Developed a data catalog and data discovery tool for internal use to support CCPA compliance (California Consumer Privacy Act, a new law similar to GDPR). Implemented a Spring Boot REST API back end. Used Spring Data JPA for database access, as well as embedded SQL. Completed unit and integration tests using H2 in-memory databases and mocked repositories. Assisted with design of PostgreSQL meta-data database.
- **Data Catalog Front End**: Worked with team to develop React front end using Material UI and Material Table libraries.
- **Impact**: Currently in use, providing LendUp's CCPA compliance support. Has lead to over $100k in cloud storage savings.
- **Agile Process**: Received and responded to feedback in code reviews. Version controlled project in GitHub. Presented completed project at end-of-summer demo. Completed project ahead of schedule.

Mills College Graduate Teaching Assistant + Peer Tutor *Oakland, California*   Aug 2018 – May 2020

- **Theory of Algorithms**: Providing one-on-one tutoring and office hours. Grading assignments for students and providing feedback. Lead weekly study group to support completion of assignments.
- **Data Structures + Algorithms**: Provided one-on-one tutoring and office hours for students in the data structures and algorithms class. Graded assignments and read, debugged and provided feedback on Java code.

Mills Computer Club President *Oakland, California*   August 2018 - May 2020

- **President (2019-20)**: Leading officer team in establishing club goals and mission. Organizing club events and meetings. Completing necessary administrative tasks and coordinating with club faculty adviser.
- **Secretary (2018-19)**: Contributed to meeting ideas, coordinated with external parties, took meeting minutes, updated club resource notes.

PROJECTS

Android Application for Shopping List Generation: Developed app which pulls ingredients from recipes online and generated shopping list. Worked on a team of 3 to design, implement, review and test software. (Mobile App Development, Java, 2019)

Open Source Contribution - Bug Fix for Habitica: Contributed Kotlin bug fix code for missing toast notification in open source habit-building Android Application Habitica. (Mobile App Development, Kotlin, 2019)

Open Source Contribution - Typo Fix for Material Table: Contributed typo fix for open source React library Material-Table. (LendUp, Javascript, 2019)

Contact List: Wrote a contact list program with partner. Used Java hash table and implemented separate chaining hash table from scratch. Wrote unit tests and completed code reviews with partner. (Data Structures + Algorithms, Java, 2019)

RELEVANT COURSEWORK

Completed Courses: Theory of Algorithms, Data Structures + Algorithms, Theory of Computation, Programming Languages, Computer Architecture + Assembly Language, Mobile App Development (Android), Cryptography + Network Security, Accelerated Object Oriented Programming in Java, Intermediate Programming in C++, Intro to Programming in C, Intro to Machine Learning, Discrete Math I + II