Camille Merz

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EDUCATION

Mills College MA, Interdisciplinary Computer Science, **GPA: 4.0** *Oakland, California* — Aug 2018 – Present
Mesa College Computer Science Courses *San Diego, California* — Jan 2018 – Aug 2018
UC San Diego BS, Bioengineering, Minor in Environmental Studies *La Jolla, California* — Sept 2011 – June 2016

SKILLS + CERTIFICATIONS

Programming: Java, C++, C, Eclipse, Android Studio, experience with Git, GitHub, Python, JUnit, LaTeX
Certifications: Wilderness First Responder, CPR/First Aid, Commercial Driver License

RELEVANT COURSEWORK

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

PROJECTS

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)

20 Questions Game: Wrote 20 questions guessing game by implementing a yes/no binary tree. (Intermediate Programming, C++)

Postfix Integer Calculator: Implemented big int postfix calculator to calculate large integers. (Intermediate Programming, C++)

UC San Diego Senior Design Project: Worked with NASA to develop astronaut healthcare device. Designed a contact pressure measurement system using Arduino and variable resistance sensor. Device works in conjunction with a negative pressure fluid shift countermeasure suit for use in long duration spaceflight. (Bioengineering Department)

EXPERIENCE

Mills College Graduate Teaching Assistant *Oakland, California* — Aug 2018 – Present

- **Theory of Algorithms**: Grading assignments for students and providing feedback. Leading a weekly study group.
- **Data Structures + Algorithms**: Graded assignments for students in the data structures and algorithms class. Read, debugged and provided feedback on Java code.

Genesee Scientific Business Information Systems Associate *San Diego, California* — May 2016 – Feb 2018

- **Amazon Store**: Managed company Amazon store, created and maintained product listings, processed orders, provided customer service for all Amazon issues and ensured compliance to all Amazon seller policies and procedures.
- **Customer Information**: Maintained and analyzed customer information databases for different marketing projects.
- **Other**: Provided technical support for sales representatives, managed company social media presence, designed and executed long-term marketing projects, tested and implemented eProcurement systems with customers nationally.

UC San Diego Recreation Lead Wilderness Guide *La Jolla, California* — Sept 2011 – March 2018

- **Training**: Trained generations of new guides in technical and interpersonal leadership skills. Taught classes in backcountry nutrition, navigation, conflict resolution and other topics. Evaluated new guide candidates during in depth interviews in the field.
- **Guiding**: Lead groups of students and community members on kayaking, canoeing, camping and caving trips in Southern California and Mexico. Managed risk for various activities, managed teams of guides, lead team-development exercises and provided medical care when needed. Worked with younger guides to establish goals and provided support for those goals throughout trips.
- **Planning**: Planned routes, menus, contingencies and gear for trips of length 1 - 10 days.
- **Surf Shop**: Worked as the student manager of the on-campus surf shop. Managed and trained other students, designed merchandise displays and organized inventory.