

Anna C. Carey

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Qualifications

- Programming Experience
 - Utilized Java to complete several large assignments focused on efficient software design, problem solving, and implementing interfaces. Also experienced at writing effective JUnit tests.
 - Utilized C in Data Organization class to build data structures and problem solve efficiently.
 - Learned and applied OpenGL ES for Android app development at Tapia Lab.
 - Proficient at using GDB to debug and optimize code.
- Mathematical Application Experience
 - Learned and applied matrix and vector manipulation in Linear Algebra.
 - Implemented and studied runtime of algorithms such as Gale-Shapley, quick search, and interval scheduling algorithms in Data Structures and Algorithms.
 - Applied linear algebra by writing supporting code for a virtual reality app at Tapia Lab.
- Communication Skills
 - Maintains clear communication while collaborating with head graduate student at Tapia Lab.
 - Creates lesson outlines for and lead discussions in Sunday School of LDS Church.
 - Collaborated with supervisor to revise and implement Code Camp curriculum at *TroopTrack*.

Education

Bachelor of Science in Computer Science. Expected Fall 2019
University of New Mexico (UNM), Albuquerque, NM. GPA 4.18/4.0
Minor: Interdisciplinary Film and Digital Media

Relevant Course Work:

Design of Large Programs (Java), Data Organization (C), Declarative Programming (Haskell), Computer Logic Design (VHDL), Introduction to Computer Architecture and Organization (C, Assembly), Data Structures and Algorithms I and II, Calculus I and II, Linear Algebra with Applications, Physics I, Social and Ethical Issues in Computing, Technical and Professional Writing.

Relevant Professional Experience

Tapia Labs. Undergraduate Researcher. Albuquerque, NM. Aug 2017 – Present
on the z animation. Summer Intern. Olathe, KS. June 2017 – Aug 2017
TroopTrack. Code Camp Instructor. Weatherford, TX. June 2016 – July 2016

Community Activities

LDS Church. Sunday School Teacher. Albuquerque, NM. Fall 2015 – Present
LDS Church. Woman's Conference Food Committee Member. Albuquerque, NM. Dec 2017 – Jan 2018

Awards/Achievements

Outstanding Sophomore & Junior Award from the UNM Department of Computer Science. 2017, 2018
Certificate of Excellence for ranking top 10% of sophomore class at UNM. 2016
Regent's Scholarship at University of New Mexico. 2015