

# SAMPLE RESUME

## Dorothy Villafuentes

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**Career Goal:** I am seeking a summer internship in an industry or organization where I can apply my mathematical knowledge and my analytical/problem-solving abilities. I have augmented my mathematical studies with courses in computer science and I am interested in finding a position where I can combine mathematical analysis with numerical simulations.

### **Education:**

The University of Arizona, 2020-present

Major: Mathematics. Minor: Computer Science

GPA: 3.4, Major GPA: 3.5, Minor GPA: 3.4

Expected graduation date: May 2024

Valley High School, Graduated 2020

Boca Raton, California

**College credit earned in high school:** I earned college credit for first semester calculus.

**Computer skills:** I have a solid general knowledge of computers as well as proficiency in Python and C.

### **Relevant coursework completed by May 2023:**

Mathematics courses: Calculus 1, Calculus 2, Vector Calculus, Introduction to Linear Algebra, Formal Mathematical Reasoning and Writing, and Analysis of Ordinary Differential Equations, Complex Variables

Computer science courses: Introduction to Computer Science, Program Design and Development, and Object-Oriented Programming and Design

Other Relevant Courses: Two semesters of Chemistry and one semester of Biology

### **Work Experience:**

I was an Undergraduate Teaching Assistant in Fall 2022 for Vector Calculus. My supervisor was Dr. W. Valentoso. I met with Dr. Valentoso biweekly to discuss the topics that were coming up. I held weekly review sessions for the students and worked with individual students who requested additional help.

I held an Undergraduate Research Assistantship in Spring 2022 under the direction of Dr. Warren. I am investigating the practicality of reconstructing phase information from images taken in two different focal planes (the near field and the far field). This research will continue into next academic year.

**Honors/Awards:** I received Honorable Mention for Fall Semester 2020 and was on the Dean's List for the other semesters. As an out-of-state student and I have been received out-of-state tuition waivers. I have also been part of the Honors College since my first year.

**Activities:** Since Fall 2020, I have been a member of Math Cats, the Undergraduate Mathematics Club. I have participated in several outreach activities sponsored by this club. I am also a member of the Microsoft Student Users Group: A club dedicated to the discussion of programming technology and theory, both of Microsoft and in general.

**Volunteer Work:** I was a volunteer mathematics tutor at a middle school (five hours per week) during the academic year, 2021-2022.

**Citizenship:** USA

**Availability Date:** May 31, 2023 – August 13, 2023