

Nicole Casartelli

Newcastle WA 98059 / Novato CA 94945

415-755-0881

Npcasartelli@gmail.com

GitHub: <https://github.com/NicCas> | LinkedIn: <https://www.linkedin.com/in/nicole-c-23a651123/>

Objective

Seeking an internship that leverages my unique mix of technical, practical and applied skills, along with my educational experience as I explore future career paths

Education

California State Polytechnic University, Pomona

Expected Graduation: May 2022

Bachelor of Science

Computer Science

GPA: 3.02

Computing Languages

Proficient in Java, working knowledge in C++, Kotlin, JavaScript, HTML, CSS, MongoDB, ExpressJS, NodeJS, Mongoose, introduction to MIPS

Relevant Experience

Virtual Instructor, iD Tech, Napa & Rohnert Park, CA.

April 2020 – August 2020

- Lead virtual lessons for five 6-13 year-olds which included computer literacy, beginner coding skills, and game design through Minecraft, Scratch, and Roblox
- Engaged with students online focusing on clear communication and encouraging self-sufficiency through discovery
- Provided a fun and educational environment for my students and their parents
- Resulted in excellent classroom management, engagement, and communication with both clients and students
- Honed debugging and computer support skills in order to provide the best instructions for fixing clients' computer issues

Lead Instructor, iD Tech, San Rafael, CA

July 2019 – August 2019

- Supported the location Director and fellow instructors in class and administratively
- Taught week-long in person computer science skills to a class of 7-10 year-olds
- Created lesson plans tailored to students
- Resolved issues between campers and worked with other instructors to ensure campers felt safe and were having fun
- Trusted as guardian (in loco parentis) for my class and the rest of the camp

Instructor/Overnight Instructor iD Tech, Santa Rosa & Palo, CA

July 2019 – August 2019

- Overnight instructor in Palo Alto guardian (in loco parentis) for campers aged 11-17 for a week at a time
- In charge of scheduling, activities, navigation across campus, and any additional needs of campers

Girls Who Code Summer Internship, Autodesk, San Francisco CA

June 2016 – August 2016

- Completed seven weeks of instruction in Computer Science covering a wide range of topics including Python (including PyGame), C++ for Arduinos, the Arduino UNO, and web development using html, CSS and javascript
- Developed skills in Autodesk's CAD program Fusion 360 for 3D modeling and printing

Projects

Nicole Casartelli

Newcastle WA 98059 / Novato CA 94945

415-755-0881

Npcasartelli@gmail.com

GitHub: <https://github.com/NicCas> | LinkedIn: <https://www.linkedin.com/in/nicole-c-23a651123/>

Grocery Order and Delivery Web-Based App

January 2021 - May 2021

Project lead for Software Development, creating a service that allows users to order groceries from multiple outlets and have them delivered, with a specific focus on user experience.
<https://chickpea.glitch.me/>

Specification Language for Self-Driving Cars

January 2021 - May 2021

Working with a team on developing a language that allows developers of AI driven cars to define the car's responses to environmental changes and challenges, for example protocol for fog or slippery road conditions

MIPS Hangman, Machine Language

July 2020

Worked in a group of three to create a game of hangman that took user input and drew a gallows based on a player's number of incorrect guesses

Java Game, Intro to Java Coding Final Project

December 2018

Lead the development of a game in Java as a final project for an Introductory Java class. Served as a project leader and coordinated a team of ten people working as artists, writers, and programmers. Also wrote the script and dialogue

Girls Who Code Summer Internship, Autodesk Final Project

August 2016

A bracelet with a ring of lights on the user's wrist lit up to direct them towards their destination. The user input a destination in an Android app and the Arduino calculated the correct LED to light up according to the user's orientation and relative current position, using Bluetooth and three-axle-compass chips. I collaborated with a team of five girls developing the app-Arduino interface and prototype. I lead two people in building the prototype and programming the Arduino, and consulted on the app's development

Clubs and Organizations

Member SheCodes – Cal Poly Pomona

August 2018 – Present

- This club provides networking, mentorship and support for women studying computer science offering seminars and interviews with industry professionals. Personal highlights include professional referrals, exposure to various career paths and connecting with amazing like-minded women.

Member oStem – Cal Poly Pomona

August 2018 – Present

- Networking, volunteer opportunities, and support for LGBT+ students on campus studying STEM

Future Women Developers Conference – SheCodes, Cal Poly Pomona

February, 2019

- Instructed a group of high school girls in a programming clinic aimed at inspiring them to study computer science in college

Member 4-H – Tri-Valley 4-H Club

August 2009 – June 2018

- Lead a diverse range of projects and volunteer events, which included presenting to judges and the general public as well as running community outreach programs. Projects included: Communication, Leadership, Rabbits, Horses, Beef, Sewing, and Cooking. Horse Junior Leader for 2 years. Built a strong foundation of leadership, citizenship and project management skills.

Project portfolio and referrals available upon request