

DARREN J. CRUZ

<https://darrenjcruz.github.io/portfolio/>

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EDUCATION

CALIFORNIA STATE UNIVERSITY, FULLERTON, FULLERTON, CA

Bachelors of Science: Computer Science

January 2022 – May 2024

Major: Computer Science

IRVINE VALLEY COLLEGE, IRVINE, CA

Associates of Science Computer Science

June 2018 – December 2021

Major: Computer Science

Projected Graduation: Spring 2021

PINOLE VALLEY HIGH SCHOOL, PINOLE, CA

Graduated: Spring 2013

RELATED COURSES

- Spring 2024
 - CPSC 349 – Web Front-End Engineering
 - CPSC 411 – Mobile Development Programming
 - CPSC 491 – Senior Capstone Project
- Fall 2023
 - CPSC 323 – Compilers and Languages
 - CPSC 332 – File Structure & Database
 - CPSC 481 – Artificial Intelligence
 - CPSC 490 – Undergraduate Seminar
- Spring 2023
 - CPSC 253 – Cybersecurity Foundations & Principles
 - CPSC 362 – Foundations of Software Engineering
 - CPSC 375 – Introduction to Data Science & Big Data
 - CPSC 386 – Introduction to Game Design
 - CPSC 471 – Computer Communications
- Fall 2022
 - CPSC 254 – Software Development with Open Source
 - CPSC 315 – Professional Ethics in Computing
 - CPSC 335 – Algorithm Engineering
 - CPSC 351 – Operating System Concepts

TECHNICAL SKILLS

- **Languages:** Python, C++, JavaScript, Swift
- **Frontend Tech:** HTML, CSS, React
- **Backend Tech:** Node.js
- **Database Management:** MySQL
- **Tools:** Git, Github Desktop, Microsoft Office, Linux

COURSE PROJECTS

RECIPE FINDERS

Recipe Finding Web Application

CPSC 491 – Senior Capstone Project

- Technologies: HTML, CSS, Javascript, React, Node.js, Figma
- Conceptualized and developed a web application that recommends recipes based on given ingredients.
- Learned how to implement an API (spoonacular).
- Implemented React into a web application.

OTHELLO

iOS Application based on the game Othello

CPSC 411 – Mobile Development Programming

- Technologies: Swift, Figma
- Conceptualized and developed a mobile application that allows the user to play Othello.
- Learned how to program in Swift.

MOVIE RECOMMENDER

Content-Based Recommender System

CPSC 481 – Artificial Intelligence

- Technologies: HTML, CSS, Javascript, Python, MovieLens API, TMDB API
- Developed a recommendation system that recommends similar movies based on movie entered.
- Implemented a K-Nearest Neighbor Algorithm to recommend movies.

TITAN RADIO SHOP

E-Commerce Store

CPSC 362 – Foundations of Software Engineering

- Technologies: HTML, CSS, Javascript, React, Node.js, Figma
- Conceptualized and developed an immersive e-commerce platform featuring clothing and accessories.
- Leveraged Agile Scrum methodology for effective project management.
- Designed the front-end using Figma.
- Learned how to implement React into a web application.

SPACE INVADERS

Space Invaders Application built with PyGame

CPSC 386 – Introduction to Game Design

- Technologies: Python, PyGame.
- Learned how to develop a video game.
- Implemented game design logic to create a version of Space Invaders.

CONNECT FOUR

Connect Four Python Application

CPSC 254 – Software Development with Open Source

- Technologies: Python, Tkinter
- Conceptualized and developed an application in which user may play Connect Four.
- Implemented game logic with Python.
- Implemented GUI with Tkinter.

LEADERSHIP EXPERIENCE

FILIPINOS UNIFYING SCIENTIST-ENGINEERS IN AN ORGANIZED NETWORK (FUSION), UCI, IRVINE, CA

Internal Vice President / Intern

September 2013 – June 2019

- Assisted in the planning of club activities, such as meetings, socials & fundraisers.
- Managed club programs.
- Participated in club activities which include engineering/programming tasks.

KABABAYAN' 36TH ANNUAL PILIPIN@-AMERICAN CULTURAL NIGHT (PACN), UCI, IRVINE, CA

Stage Crew & Productions Coordinator / Programs Designer

Decemeber 2014 – April 2015

- Worked with a team to produce a large production consisting of 300+ members.
- Lead a team of stage hands from the production.
- Designed 8.5"x11" & 8.5"x5.5" ads.

- Helped out behind the scenes when needed.
- Manned the board for lights.

LEADERSHIP, PINOLE VALLEY HIGH SCHOOL, PINOLE, CA

Participant in Student Government

September 2009 – June 2013

- September 2009 – June 2010: Freshmen Representative
- September 2010 – June 2011: Class Officer
- September 2011 – June 2012: Junior Class Secretary
- September 2012 – June 2013: Class Officer/Freshmen Mentor/Head of Sound System/Founding Officer of UNICEF Club (Secretary)

WORK EXPERIENCE

WIS INTERNATIONAL, SANTA ANA, CA

Inventory Specialist

October 2022 – Present

- Completed inventory checks accurately.
- Prepared documentation detailing results.
- Reported discrepancies between physical counts and computer records.

BRAINSTORM STEM EDUCATION, IRVINE, CA

Graphics Designer / STEM Instructor

August 2018 – March 2020

- Designed ads tailored for different social media platforms.
- Managed classroom supplies for instructors.
- Instructed 6 middle school classes of 30 students each as an IPSF staff member.
- Taught students how to code in Python, develop their own AI, and create games in unity.

RGIS, SANTA ANA, CA

Inventory Specialist

June 2018 – February 2019

- Completed inventory checks accurately.
- Prepared documentation detailing results.
- Reported discrepancies between physical counts and computer records.

BEAUTYLISH, SAN FRANCISCO, CA

Inventory Specialist / Fulfillment Associate

June 2014 – August 2017

- Received, inspected, and counted inventory
- Maintained, updated & audited inventory accuracy with cycle counts.
- Completed inventory checks accurately.
- Checked shipments for accuracy and visible damage.
- Handled returns of damage merchandise to vendors.
- Inspected and carefully packaged customers' orders for shipment.
- Folded, prepared, and assembled shipping materials.

POLLING LOCATION, PINOLE, CA

Volunteer / Election Official

December 2013

- Looked up voters in the "Voter Roster."
- Issued regular and provisional ballots.
- Greeted and assisted voters.
- Provided appropriate accommodations to voters, including instructions and assistance in the use of the AutoMARK.
- Assisted workers as needed or requested.