

# Kavan Dharia

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## EDUCATION

University of California, Irvine (GPA: 3.4) – Irvine, CA

Expected Graduation June 2022

B.S. Computer Science

**Relevant Coursework:** Data Structures, Design and Analysis of Algorithms, Discrete Math, Digital Systems, Human-Computer Interaction, Principles in Systems Design, Principles of Operating Systems

**Awards:** Dean's Honor List: Spring 2020-Present | Nordson's BUILDS Scholar: June 2019-Present

## SKILLS

**Languages:** Python, C, C++, HTML, CSS, JavaScript

**Frameworks/Tools/OS:** Microsoft Office, Git/GitHub/Gitlab, Figma, Linux, GTK2.0

## EXPERIENCE

TRU Simulation + Training, *Software Engineer Intern*, Lutz, FL

June 2021 – August 2021

- Supported the development of level D Full Flight Simulators (FFS) utilizing TRU's Linux-based Software Development and Automated Test System.
- Improved the user interface of TRU's Instructor Operator Station (IOS) product by designing/developing a page-based navigation system, reducing users' navigation time by 30%.
- Performed hardware/software integration and verified the functionality of simulated aircraft systems by executing Acceptance Test Procedures (ATPs) on the M2 Full Flight Simulator.

UCI, *INsite Lab Research Assistant*, Irvine, CA

November 2020 – June 2021

- Collaborated with a team of accessibility experts, graduate students, and other undergraduate students to provide technological assistance for blind community members with their new smartphones during the COVID-19 pandemic.

UCI, *Parking Assistant*, Irvine, CA

August 2020 – Present

- Work with the department of Guest and Event Services to provide a smooth COVID-19 testing process for all UCI students.
- Manage parking permits and assisted campus visitors with directions and general campus information.

AT&T, *Summer Learning Academy Extern*, Remote

June 2020 – July 2020

- Acquired business and technical acumen along with personal growth and professional development across 80 hours of self-paced online learning lessons and activities over 4 weeks.
- Gained insights and advice on business, leadership, and career from business executives and recognized experts.
- Networked with students and AT&T employees and participated in Q&As with nationally renowned speakers.

## PROJECTS

Multi-Threaded Client/Server Emulator

March 2021

- Utilized the knowledge of threads, sockets, and semaphores to emulate a TCP Client-Server application that sends and receives encoded data over UCI OpenLab Network. (*Skills Used: C*)

Virtual Memory Emulator

February 2021

- Created an application emulating Virtual Memory by using paging and page-replacement algorithms (FIFO and LRU). (*Skills Used: C*)

Kavan Dharia's Online Portfolio ([www.kavandharia.com](http://www.kavandharia.com))

August 2020 – Present

- Created a website using HTML and CSS to establish my brand and display myself through my skills, passions, and projects. (*Skills Used: HTML, CSS, JavaScript, Git/Github*)

NBA Scoring Linear Regression Model

August 2020

- Utilized Python 3 and NBA API to visualize the correlation between Field Goal Attempts (FGA) per game and points per game (PPG) of all the players in the current NBA season. (*Skills Used: Python, API, Git/Github*)

Connect 3-on-3

August 2020

- Utilized Python 3 and PyGame to create a game alteration of Connect 4 using three players with three different colors to connect a row of three with the same color. (*Skills Used: Python, PyGame, Git/Github*)