

**Alan Sanchez**

University Of Colorado Colorado Springs

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**Education**

**University Of Colorado Colorado Springs - Bachelor of Innovation, December 2024**

- College of Engineering & Innovation 1420 Austin Bluffs Pkwy Colorado Springs, CO 80918
- Major: Computer Science and Security
- National Honors Society Member

**Academic Courses Taken During School**

Spring 2021 CU Colo Springs ----- Coll Letters, Arts & Sci UGRD University Studies Comp Thinking w/ Begin Prog CS 1120 3.0 A

Rhetoric and Writing I ENGL 1310 3.0 A-

Gateway Program Seminar GPS 1010 3.0 A

Rec-Reate Yourself The Innovation Process INOV 1010 3.0 A

College Algebra MATH 1040 3.0 B+

GT-MA1 - Mathematics ATT 15.0 EARNED 15.0

GPA 3.800 Deans List

Fall 2021 CU Colo Springs ----- Coll Engineering & AppSci UGRD Computer Security General Chemistry I CHEM 1401 4.0 A 16.00 GT-SC2 -Natural & Physicl Sci:Lec Crse w/o Req Lab General Chemistry Lab I CHEM 1402 1.0 A

GT-SC1 - Natural & Physcal Sci:Lec Crse w/ Req Lab Principles of Computer Science CS 1150 3.0 B+

Homeland Security & Cyber Sec CS 4950 3.0 A

Intro to Entrepreneurship ENTP 1000 3.0 A

Trigonometry MATH 1060 3.0 A

GPA 3.876 Presidents List

Spring 2022 CU Colo Springs ----- Coll Engineering & AppSci UGRD Computer Science & Security

General Chemistry II CHEM 1411 4.0 B+

GT-SC2 -Natural & Physicl Sci:Lec Crse w/o Req Lab General Chemistry Lab II CHEM 1412 1.0 A-

Data Structures and Algorithms CS 1450 3.0 A-

Tech Writing, Proposals & Pres INOV 2100 3.0 A

Calculus I MATH 1350 4.0 B- 10.80

GPA 3.387

Fall 2022 CU Colo Springs ----- Coll Engineering & AppSci UGRD Computer Science & Security

Programming with C CS 2060 3.0 A

Programming with UNIX CS 2080 3.0 A

INOV Team: Analyze & Report INOV 2010 3.0 A

Beginning Japanese I JPNS 1010 5.0 B

Discrete Mathematics MATH 2150 3.0 C+

GPA 3.406

Spring 2023 CU Colo Springs ----- Coll Engineering & AppSci UGRD Computer Science & Security

Bus/Intellectual Property Law BLAW 2010 3.0 A

Comp Org & Assembly Language CS 2160 3.0 B

Computational Linear Algebra CS 2300 3.0 B-

Soc and Eth Impl of Computing CS 3050 1.0 A

Python Programming CS 3080 3.0 A

System Admin & Security CS 3910 3.0 A

GPA 3.569

Fall 2023 CU Colo Springs ----- Coll Engineering & AppSci UGRD Computer Science & Security

Intro Stats for Data Analy CS 2020 3.0 A

Intro to Software Engineering CS 3300 3.0 A

Computer Architecture I CS 4200 3.0 A

Computer Networks CS 4220 3.0 A

INOV Team: Research & Execute INOV 3010 3.0 A

Writing Portfolio Assessment PORT 3000 0.0 S

GPA 4.000 Presidents List

Spring 2024 CU Colo Springs ----- Coll Engineering & AppSci UGRD Computer Science & Security

Resume Writing/Interview BUAD 3020 1.0 S

Database Systems I CS 4420 3.0 B+

Operating Systems I CS 4500 3.0 A

Ethical Hacking CS 4940 3.0 A

INOV Team: Design & Lead INOV 4010 3.0 A

GPA 3.825 Deans List

- Relevant Courses: CS 4940 Ethical Hacking, CS 4500 Operation Systems, CS 4220 Computer Networking, CS 3920 Intro to Cyber Defense Operations, CS 4910 Intro to Computer Security and INOV 1010 The Innovation Process.

### **Personal Statements**

I am a veteran and a senior student pursuing a bachelor's degree in innovation in computer security. In my life, I have overcome many obstacles, such as learning a new language and living away from my family at sixteen years old. After joining the military, it was hard to fit in since I had a really thick accent, which caused some discrepancies among my peers. However, I learned that having thick skin, resilience, and adaptability helped me build character and who I am today.

When I was getting out of the military, I was deeply interested in cybersecurity, which motivated me to get into school. There, I acquired more skills and insights such as coding, paying attention to detail, and, most importantly, communicating with people and getting to know them by networking. I met people who offered me opportunities and guided me to new

interests, such as aerospace and cybersecurity innovations. When I graduate, I will keep growing and learning to keep my mind open and my ideas flowing.

### **Innovation Statement**

As an innovator, I value the power of change, commitment, and integrity. These features are helping me to recognize who I am on a personal and professional level. I expect a lot from myself when I graduate because I will use what I learn at school, especially during my innovation courses. My future expectations are that I will be righteous and have an open mind with an innovation mentality during my professional career. These changes will begin with my character and set future goals. Secondly, I will pursue my ambitions and hunger for knowledge professionally.

The character development I possess now, thanks to the innovation program, has been very helpful in finding new opportunities and thinking outside the box. I will use the innovator mindset to have the chance to meet new people and explore new ideas of who I want to be in future years. One thing is sure: I will be humble yet ambitious enough to help others succeed and grow by lending a hand and offering my ideas and experiences. I will remain composed and calm from future obstacles and overcome them by being resilient and finding creative, innovative solutions that will bring fun and progress

## **R-DEX Systems: Innovation and consultant Lead Project January-May 2024**

CEO Robert Bock,

200 Rope Mill Parkway Suite 1 Woodstock, Georgia 30188

The R-DEX Systems website was being managed and supervised for 14 weeks. The UCCS team spent lengthy amounts of time building websites with different web-builders and different templates in a highly conflicted schedule among the members and the client.

- Lead team into a waterfall methodology to create an innovative website and marketing.
- Work with CEO to solve and advise in the marketing Area and implement innovative ideas that were transformed into impact.
- Created a professional website using word press, Elements and Elementor.

## **Catalyst Campus for Technology and Innovation: Catalyst Accelerator project August-December 2023**

KiMar Gartman, Shae Thomas, Allison Boothe and Relevant Parties

Catalyst Campus for Technology and Innovation

UCCS team spent copious amounts of time at the AI/ML Accelerator and conducted thorough research.

- Converted raw data into a usable format and generated a comprehensive data analysis report based on the gathered information.
- Delivered a data analytics report about the Catalyst accelerator program, presenting it in front of key representatives from the Department of Defense (DOD) and senior executives of prominent corporations.
- Member of an innovation team that met the requirements of the client using data analysis from multiple cohorts.

## **Adaptive Systems LLC Innovation Project August- December 2022**

Mr. Lancaster

1155 Kelly Johnson Blvd, Colorado Springs, CO 80920

Document the client's intellectual property creation, revamp the client website to increase security and customer understanding, and research cloud-based architecture options to host the client website and user applications.

- Created and maintained a website with client's requisites.
- Validated and verified their weather satellite software.
- Supported and assisted with patent paperwork.

## **Skills and Competencies**

- Language programs: Java, Unix/Linux, Assembly, Python, Windows PowerShell, VBA, Django, R, MySQL and C
- Software interface: Salesforce Omnistudio, Salesforce eSignature, Salesforce flows, Salesforce object manager, and Oracle.
- Software: Office365 applications, Salesforce, Access databases, Active Directory Domain Services, Eclipse, GitHub, Visual Code, Azure Cloud, MPSS and Visual Studio.
- World languages: English and Spanish

## **Selected Work history**

### **Deloitte: Government and Public Services Cyber Advisory Intern June - August**

- Utilizing Salesforce tools to modernize and digitalize the process of signing hard paperwork by using the electronic signature tool which adheres to DODs electronic signatures standards.
- Utilize Salesforce Omnistudio for document generation that creates an end-to-end data intake process from user input and a classifier verification.
- Created AI use cases and developed a GenAI app using CFG.AI to aid the aid practitioners in DSJ use cases in the Innovation GENAI challenge

- Presented a Salesforce Form generation and data intake demo for the DOD client and an AI App core demo for the Deloitte AI challenge council.

### **Infinity Systems Engineering MPE (Mission Planning Element) Help Desk Technician**

**August 2023-June 2024**

- Providing guidance and assistance to global commands involved in combat operations, ensuring the proper installation, and updates of new Department of Defense (DOD) software, while also troubleshooting connectivity issues.
- Initiate a data purge and retrieval process to address and fill any existing data gaps.
- Management of updating, patching and implementing protocols for equipment that are use to teach Comm Planners courses around the world.

### **Infinity Systems Engineering TAPM (Transitional Approach for Protected MILSATCOM)**

**Internship May - August 2023**

- Debugged and edited Access Databases to fulfill client's request.
- Fixed and modified Macros, front ends, and back ends of dashboards in software tools.
- Finished the Comm Planners Course and learned MILSTAR and AEHF satellites.
- Executed and released C2 official messages to combative global commands.
- Submitted Reports such as Daily EHF user advisory, MILSTAR/AEHF resource trending analysis, and Anomaly quads.
- Generated and distributed ephemeris to combative global commands every week.
- General experience with crypto keys and endorsements.

### **United States Marine Satellite Operator (0621,0623,0627), September 2016- July2020**

- Records Management billet
- Global Command and Control Systems (GCCS) Clerk
- Created service requests for new crypto keys using the Oracle interface.

## **Fellowships and Awards**

- Viceroy fellowship member
- Treasurer for the Latinx Student Association
- Vice-President in the dancing on the bluffs

## **Current Certificates**

- Comm Planner System (exp 2025)
- Mission Planner Software Systems (exp 2025)
- Azure Cloud Fundamentals (exp 2025)
- Security+ (exp 2027)