

Shreyaan Arora

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EDUCATION

University of Colorado at Boulder, Boulder, CO

August 2019 - Present

Bachelor of Science in Computer Science with a Minor in Business

Relevant Coursework: Data Structures, Computer Systems, Database Systems, Marketing, Management, Operating Systems, Algorithms, and HCI

Awards/Certifications: Deans List Student, Eagle Scout – Boy Scouts of America, Java Certification – Villanova University

SKILLS/INTERESTS

Programming Languages: C++, C, Swift, Objective-C, C#/.NET, Python, HTML/CSS, Java, JavaScript, SQL, and Kotlin

Tools: Git, Jira, Confluence, NodeJS, Docker, Flask, Postman, REST, XCode, VS Code, AWS, Slack, Azure, and Tanzu

Interests: Investing, Programming/Tinkering, Music, Avid Bollywood Fan, Skiing

PROJECTS

Linux File Driver

April 2022

- Utilized C to develop a Loadable Kernel Module which was then deployed on a Linux virtual machine
- Driver had the ability to provide the operating system with customized file reading and writing abilities via the command line

Data Structures Efficiency Project

April 2020

- Implemented Binary Search Tree, Linked List and Hash-Table Data Structures in C++ to graph theoretical run-time scenarios of the USPS theoretically sifting through postal service package data
- Observed an approx. 400% increase in search speeds with a Hash Table (w/Linked List Chaining Collision Resolution)
- Presented to graduate student on the findings of the most efficient data structure/solution to sift through package data

LetsTalk – Group Chat iOS Application

Nov 2022

- Designed, developed, and tested a group messaging focused mobile iOS Application for students
- Enhanced group messaging platform that leverages Swift UI, Cocoa Pods, and AR Kit with a Firebase backend to create a new/unique group discussion experience.

WORK EXPERIENCE

Lockheed Martin Corporation, Littleton, CO

June 2022 – August 2022

Systems Integration Intern

- Conducted a full business need analysis and problem identification, resulting in the presentation of a plan for a universal alert/messaging microservice
- Designed, developed, tested, and deployed an end-to-end universal Slack Messaging Microservice utilizing Slack APIs allowing applications to leverage HTTP POST requests in order to provide effective live backend application/project alerts
- Final Microservice consisted of a Python based Flask app in a docker container, and was deployed on VMware Tanzu (PCF)

Apple Inc., Boulder, CO

October 2021 – February 2022

Specialist

- Gained in depth and specific knowledge of Apple product mix and retained great amount of technical knowledge regarding Apple hardware/software, allowing for informed and enhanced customer interactions
- Catered and polished sales skills whilst providing solutions to general customers as well as businesses/professionals

University of Colorado at Boulder | Computer Science Dept., Boulder, CO

January 2021 – December 2021

Course Assistant

- Assisted, taught, and guided students with Data Structures course and related computer science coursework/material
- Developed tactical communication and training/teaching skills

Wide Open West Inc., Englewood, CO

June 2018 - August 2018

Systems Analyst Intern

- Tasks in this role included creation and review of "User Stories" within Atlassian Jira and meeting with development team during the daily scrum
- Sub-tasks included reviewing current algorithms, software & hardware architecture, and ensuring maximum efficiency. Also assisted with critical documentation of systematic discrepancies alongside relevant code review in Confluence
- Designed, developed, and deployed the front and back end for a large internal dictionary application

Wide Open West Inc., Englewood, CO

June 2017 - August 2017

Software Development Intern

- As an individual contributor in an Agile framework environment, contributions included development of a web-based secure payment/token module enabling online orders, and stories for various internal applications and external sites
- Completed full Plural Sight training in JavaScript React