


# Kevin Truong

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## EDUCATION/CERTIFICATES

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**Colorado State University**, Fort Collins, CO

August 2022 - Expected August 2024

Bachelor of Science, Major in Computer Science, GPA: 3.029

Relevant Coursework: Algorithms, Software Development, Operating Systems, Web Application Development, Software Engineering, Computer Networking, Machine Learning, Database Management

**Front Range Community College**, Longmont, CO

August 2019 - August 2022

Associate of Science, Major in Computer Science, GPA: 3.20

Relevant Coursework: Data Structures, Computer Architecture, Discrete Structures

**CompTIA Security+ Certification**

Issued Dec 2023

Relevant Skills: Independent Learning, Cybersecurity Concepts, Threat Mitigation, Security Architecture

## PROJECTS

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### Full Stack Trip Planner

- Collaborated in a small team using Agile and Scrum software development principles and utilizing tools such as Docker, Git, GitHub, Postman, Zenhub, and Code Climate.
- Implemented features in a trip planner application, utilizing technologies such as Jest, Reactstrap, and Javascript to design the frontend and JUnit, Java, SQL, and MariaDB to construct a robust backend API.

### Spotify Music Recommendation Generator

- Analyzed musical data utilizing machine learning techniques and clustering algorithms (K-Means, Agglomerative Clustering) to group and generate personalized music recommendations.
- Implemented data collection from Spotify using its web API to create a tailored dataset of audio features to provide comprehensive exploration of music data.

### Personal Portfolio Website

- Crafted and designed a personal portfolio website with a front-end developed using React, CSS, and JavaScript.
- Utilized Google Cloud Run and Docker with Nginx configurations for continuous deployment from a GitHub repository to a website hosted through Cloudflare with custom DNS record management

### Central Processing Unit Emulator

- Developed a 16-bit CPU emulation project, including instruction set design, memory manipulation, stack and register operations, implementation of an assembler to compile assembly code into machine code, and virtual environment for binary code execution.

### Arduino Water Level Timer Tracker

- Engineered Arduino-based device for real-time liquid level tracking, incorporating a self-made capacitance sensor, RGB LED screen, and a timer.
- Applied principles from both computer science and electrical engineering to combine electronic components and hardware with computer data structures and algorithms to develop an efficient and cohesive device

## SKILLS

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\* Proficiency

**Languages:** C, \*C++, \*Python, Java, \*Javascript, \*SQL, PHP, \*HTML, \*CSS, Arduino, Assembly, \*Bash

**Technologies/Tools:** MySQL, Code Climate, Zenhub, SQLite, MariaDB, Google Cloud Platform, Docker, Git, GitHub, JUnit, Postman, Fuel PHP, React, Reactstrap, Node.js

**Soft Skills:** Problem Solving, Creativity, Organization, Collaboration, Patience, Leadership