

Tanmay Chaudhari

480-742-1393 • tchaudh7@asu.edu • linkedin.com/in/tanmaychaudhari04 • github.com/TanmayChaudhari04

EDUCATION

B.S. Computer Science

Expected May 2025

Arizona State University, Tempe, AZ

4.0 GPA

Relevant Coursework – Data Structures and Algorithms, Object Oriented Programming, Distributed Software Development, Software Engineering, Operating Systems, Information Assurance, Probability & Statistics, and Digital System Design

TECHNICAL SKILLS

Programming Languages: C++, C, C#, Java, JavaScript, Python, Scheme, Prolog

Front-End: HTML, CSS, Bootstrap

Tools, Databases, and OS: Jira, SQL, Git, GitHub, Monday.com, Visual Studio, Windows, MacOS, Linux/Unix, Ubuntu

WORK EXPERIENCE

Tutorbot Content Curator, Arizona State University

01/2024 - Present

- Developing content for an AI bot on various subjects like Computer Science, Math, Physics, and Economics.
- Creating short concept videos and tips and tricks posts for various subjects.
- Regularly practicing agile methodologies in the workplace to increase productivity.

Teaching Assistant, Arizona State University (Principles of Programming with C++)

08/2023 – 12/2023

- Managed a class of 180+ students and held office hours for doubts, reviews and discussions.
- Hosting Exam Review sessions and teaching important topics, improving student understanding and engagement.
- Meeting with students individually to discuss in class assessments and activities.

RELEVANT PROJECTS

Weather Now

Summer 2023

- Developed a web application using JavaScript, HTML, and CSS to provide real-time weather updates for all cities around the world.
- Implemented Open Weather's **API** to ensure accurate and up-to-date weather forecast data for users.
- Increased user engagement by **40%** through the addition of interactive features such as customizable backgrounds and animated weather icons.

Procedural Island Generator

Fall 2022

- Developed **particle roll** algorithm in C++ to create an island/continent.
- Implemented a drop zone feature within the program, allowing for easy placement and population of particles, leading to efficient and user-friendly interaction with the generated islands.
- Achieved a **97%** accuracy rate in particle population through rigorous testing and optimization techniques, ensuring that each island created by the program is populated with an appropriate number of particles.

Word Frequency Analysis

Fall 2022

- Developed and implemented a text parsing algorithm in C++ by using **binary search tree** to analyze a large text file, producing an exact word frequency count for each word in the file.
- Read and analyzed texts from the novels of **1200+** pages using file input capability allowed for the study of complete books and the provision of thorough summaries for each analysis.
- Designed an intuitive user interface that allows users to input a word and retrieve its frequency, and export the frequency analysis to a file for further examination.

EXTRACURRICULAR EXPERIENCE

Software Developers Association, Tempe, AZ

08/2021 - Present

- Attended weekly meetings to gain experience in Computer Science and Software Engineering related topics

Google Developer Student Club, Tempe, AZ

08/2021 - Present

- Attending weekly meetings to gain experience programming languages like Javascript, Node js, Python and knowledge on topics like Data Structure and Algorithms.