Tadd Trumbull II

(623) 806 5230 | taddtrumbullii@gmail.com | http://taddtrumbull.com

EDUCATION

Southern Adventist University

B.A Computer Science   *2022 - 2026*

- Expected graduation: May 2026

EXPERIENCE

Unum   March 2025 – Present

Scholar Intern   *Chattanooga, TN*

- Engineered a data automation pipeline using Python to extract business day information from Teradata and sync to an internal UI via GraphQL, eliminating manual entry for 700+ users
- Authoring SQL queries to extract and analyze financial metrics across multiple dimensions, delivering real time insights into customer needs
- Automated data transformation processes to deliver standardized reporting datasets and reduced manual overhead

Southern Adventist University   June 2024 – August 2024

Software Engineer Intern   *Collegedale, TN*

- Reengineered proprietary faculty planning and accountability tool using ASP.NET Core Blazor
- Assisted in modernizing UI/UX design of internal academic platform, utilizing C# and HTML
- Developed deeper competency and implementation skills related to server-side and client-side programming: fostered a dynamic environment for the application

PROJECTS

Cadence

- Built a full-stack behavior tracking app with React, TypeScript, Next.js, NestJS, and PostgreSQL, enabling users to track task completion, visualize streaks, and analyze productivity metrics across various timeframes
- Designed a PostgreSQL database schema with Prisma ORM to automate daily task instance generation and track historical completion data for streak calculation and analytics
- Implemented JWT authentication and RESTful APIs using NestJS controllers to handle secure task CRUD operations and real-time data synchronization

ArrayViz

- Developed a web application for visualizing search and sort algorithms for dynamic arrays utilizing React and TypeScript
- Designed a custom language for implementing different algorithms accompanied by real time visualization
- Enables users to create custom index variables binded to an array, step forward and back, and earn achievements based on time complexity and algorithm efficiency

CareerConnector

- Designed and implemented a job board platform empowering employers to manage job postings and streamline application reviews using ASP.NET and SQLite.
- Facilitated efficient job searching by enabling users to view, apply for, and filter listings based on criteria such as experience level and industry.
- Implemented employer management of job postings, applicant tracking, and streamlined application review.

TECHNICAL SKILLS

Languages: Python, C++, C#, C, Java, TypeScript, HTML5, CSS3, SQL

Frameworks/Tools: React, Tailwind CSS, Next.js, NestJS, PostgreSQL, Prisma, ASP.NET, Blazor, Flask, Git, GitHub, Docker