

# Tadd Trumbull II

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## EDUCATION

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### Southern Adventist University

*B.A Computer Science*

2022 - 2026

- Expected graduation: May 2026

## EXPERIENCE

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### 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

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### 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

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**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