

Anthony P. Carlson

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TECHNICAL SKILLS

Languages: Java | HTML | CSS | JavaScript

Frameworks/Libraries: Spring Boot | Vue.js

Databases: PostgreSQL

Version Control: Git

Testing: Unit Testing (JUnit) | Jest

Web Design: Responsive Design

Other: E/R Diagrams | Integration Testing

TECHNICAL EXPERIENCE

Degree Planner

- Designed and implemented a web-based Degree Planner application using Vue.js and Spring Boot, enabling students to plan course schedules and track degree progress.
- Utilized Java, and PostgreSQL to create a backend API that creates course schedules based on academic requirements.
- Integrated the JGraphT Java Graph Library to efficiently manage course scheduling and resolve circular dependencies.

Education Portal

- Orchestrated the creation of an all-encompassing e-learning platform that facilitates online education, covering content creation, homework submission, grading, and student progress tracking.
- Executed Vue.js, Java, and PostgreSQL technologies for seamless functionality.
- Led the development of the front-end user interface with Vue.js and effectively managed state using Vuex.
- Collaborated closely with the back-end team for seamless API integration and proficient data management.

Money Transfer App

- Developed a RESTful API server and command-line application for an online payment service.
- Instituted user registration, login, balance visualization, and facilitated money transfers and requests among users.
- Ensured secure access with authentication tokens and implemented strict transfer rules for secure transactions.

EDUCATION

Tech Elevator Full-Stack Bootcamp

April-August 2023

Attended a 14-week full-stack coding bootcamp learning how to create responsive web-based software systems using Java providing 800+ hours of development education and application.

University of Alabama, Tuscaloosa, Alabama

Doctor of Musical Arts - Trombone Performance

2012-2015

Master of Music - Euphonium Performance

2009-2011

University of North Texas, Denton, Texas

Bachelor of Arts - Euphonium Performance

2004 - 2009

Bachelor of Music Education

PROFESSIONAL EXPERIENCE

Miles College, Fairfield, Alabama

2020-2023

Music Program Coordinator

- Supervised and managed full-time and adjunct music faculty of 15 employees
- Trained faculty on LMS software for transition to remote instruction
- Crafted and deployed a modern music curriculum

Assistant Professor of Low Brass

2015-2023

- Served on four separate committees with a focus on technology
- Researched and enacted innovative teaching methodologies to enhance student learning

Adjunct Instructor of Low Brass

2011-2015

Sanford Health Systems, Fargo, North Dakota

2005-2009

IT and User Support

- Assisted in the seamless deployment of technologies across the health system
- Managed hardware disposal to maintain HIPPA compliance