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GitHub: github.com/CodySaal
Portfolio: codysaal.herokuapp.com/

Cody Saal

SUMMARY

I'm a full stack developer with great problem solving skills. I have created projects independently and as a part of a team. I am coming out of a career in teaching and coaching where I have developed many transferable skills including leadership, collaboration, communication, time management, and the ability to adapt on a day to day, often, hour to hour basis.

PROFESSIONAL SKILLS

JavaScript ES6+, CSS3, HTML5, SQL, NoSQL, Express, React, Node, Handlebars, JQuery, Bootstrap, MongoDB, Github, MySQL, Postman, Rest APIs, Sequelize, GraphQL, Agile

PROJECTS

Google Book Search | https://github.com/CodySaal/book_search_engine | https://shielded-forest-16261.herokuapp.com/

- Full-stack application
- This application lets a user search for books and save books to their account.
- React, MongoDB/Mongoose, Node.js, Express.js, GraphQL, Apollo Server

Social Network API | https://github.com/CodySaal/social_network_api

- Back-end NoSQL Database
- An API for a social network that allows users to create a friend list, share thoughts, and react to friends' thoughts
- MongoDB/Mongoose, Express.js,

J.A.T.E | https://github.com/CodySaal/pwa_text-editor |https://dry-island-47595.herokuapp.com/

- Full-stack application
- This is a text editor application that runs in the browser and can also be downloaded as a progressive web app.
- Webpack, IndexedDB, Workbox

Weather Dashboard | https://github.com/CodySaal/weather-dashboard | https://codysaal.github.io/weather-dashboard/

- Front-end application
- This application allows a user to see a weather forecast for any searched city
- HTML, CSS, JavaScript, OpenWeather API

E-Commerce Back End | https://github.com/CodySaal/e-commerce_back_end

- Back-end application
- This is a SQL database for an e-commerce website
- Sequelize, MySQL, Express.js

EXPERIENCE

Walden III Middle and High School, Racine, WI — *Science/Math Educator*

August 2021 - Current

- Most successful AP Physics 1 pass rate in Racine Unified School District.
- Differentiated lessons to make success possible for all students by analyzing student data collected on unit pretests.
- Communicated with parents via email, phone, and in-person to ensure students were successful and parents were up to date on school happenings.
- Collaborate bi-weekly with a fellow algebra teacher to plan units and analyze student assessment data.
- Lead physics teacher
- Varsity Esport Coach: Third place finish in Overwatch State 2021, second place finish in SSBU State 2022, current run for state with 2023 Rocket League team

Union Grove Union High School District, Union Grove, WI — *Science Educator*

August 2016 - June 2021

- Started Union Grove's first AP Physics program in 2018. Developed the curriculum from scratch. The class had 20 students, 19 of which took the test and 18 passed with threes or higher.
- Adapted to teaching in a virtual setting. Virtual activities were created for students that were at home while also maintaining in-class lessons for students in the building.
- Instructed students in multiple methods including visual, audio, and hands-on to increase student learning.
- Ability to work under pressure by creating unit plans and cascading down to weekly and daily learning objectives.
- Lead physics teacher
- Three years of JV boys soccer head coaching

EDUCATION

University of Wisconsin-Madison Extended Campus — *Coding Certificate*

August 2021 - Feb 2023

- A 24-week intensive program focuses on gaining technical programming skills in HTML5, CSS3, JavaScript, JQuery, Bootstrap, Firebase, Node.us, MySQL, MongoDB, Express, Handlebars.us, and ReactJS.

University of Wisconsin-Whitewater, Whitewater, WI — *B.S. In Education*

August 2011 - May 2016

- Major in Physics Education
- Minor in Mathematics
- Graduated Magna Cum Laude
- Received R.W. Purchase Memorial Scholarship For High School Physics Teachers