Samuel J. Dickson

Full Stack Web Developer

Pittsburgh, Pennsylvania

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(412)350-8780

https://github.com/sjd58

https://www.linkedin.com/in/samuel-dickson58/

https://sjd58.github.io/My-Portfolio-Website/

WEB DEVELOPMENT EXPERIENCE

Full Stack Web Developer   11/2021-Current

Key Web Development Skills and Proficiencies:

- Languages: HTML, CSS, JavaScript, TypeScript
- React JavaScript Library with BootStrap Framework
- Angular Library with Google Material Design

- Development using Visual Studio Code IDE
- GitHub and Git Version Control
- JSDoc and TypeDoc for documentation generation

- Front-end, UI design with emphasis on accessibility
- Relational Databases with SQL and PostgreSQL
- Non-Relational Databases with MongoDB

- Backend and API development and configuration with Node.js
- Android and iOS Mobile App Development with React Native and Expo
- Test Driven Development with Unit, End-to-end, and Integration Testing

WEB DEVELOPMENT PROJECTS

Full Stack Web Developer   11/2021-Current

URL to portfolio containing these projects: https://sjd58.github.io/My-Portfolio-Website/

myFlix Movie Application, developed with React Library
- Developed backend REST API and database using JavaScript, Node.js, Express, and MongoDB
- Created a single-page responsive application with MVC design and routing using React Javascript library
- Incorporated React Redux to centralize and manage the application state and data to reduce API calls

MeetUp Application
- Coded a serverless Progressive Web Application with React using Test Driven Development techniques
- Integrated the Google Calendar API and OAuth2 authentication flow for a seamless user experience
- Employed Test Driven Development techniques including Unit, End-to-end, User Acceptance, and Integration testing with the Jest test runner

React Native Mobile Chat App
- Developed a mobile chat application optimized for Android and iOS devices
- Enabled users to customize the user interface and appearance of the application
- Implemented features for users to send images, videos, location information with offline storage capability.

myFlix Movie Application, developed with Angular Library
- Reintegrated myFlix backend with a frontend using TypeScript, Node.js, and the Angular library
- Utilized Google Material Design to develop a modern, professional user interface
- Generated complete documentation for the application using TypeDoc technology

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PROFESSIONAL EXPERIENCE

University Philosophy Lecturer   01/2022-04/2022
University of Pittsburgh Osher Lifelong Learning Institute, Pittsburgh, PA

Plato's Republic
- Lead a university-level philosophy seminar in an online format centered on Ancient Greek philosophy
- Conduct an in-depth reading of Plato's *Republic* in 90 minute sessions, focusing on the text as it is
- Engage more than 80 students in philosophical conversations to discuss the implications of key ideas
- Produce a complete set of notes and study questions for all of Plato's *Republic* to guide reading

High School Special Education Teacher   08/2020-10/2021
Pennsylvania Distance Learning Charter School, Sewickley, PA

Learning Support, 9th grade
- Conduct Resource Rooms in an online, digital format to provide instructional support and monitor progress for annual IEP goals for students across Pennsylvania
- Organize and conduct IEP team meetings, write and implement IEPs, NOREPs, Reevaluation Reports
- Provide math instruction for 9th and 10th grade students in an online, small group instructional format
- Collect data to monitor individual student learning progress and adapt instruction in accordance with student needs

Paraprofessional Educator   08/2019-08/2020
Pine Richland High School, Pine Richland School District, Gibsonia, PA

Learning and Instructional Support, Grades 9-12
- Assist general educators in Algebra 1, Algebra 2, Chemistry, and Social Studies classrooms by providing accommodations for students in accordance with IEPs
- Tutor students in Algebra 1 and Algebra 2 in an individual or small-group instructional setting
- Conduct whole-group instruction in general education classrooms during teacher absences
- Participate in IEP meetings, collaborate with parents, and contribute to the development of IEPs

EDUCATION

Certificate in Development   **Full Stack Web Development**
CareerFoundry   11/2021-06/2022

M.Ed. in Social Studies and Special Education (Magna Cum Laude)   **3.98 GPA**
University of Pittsburgh School of Education, Pittsburgh, PA   06/2018-06/2019

B.A. in Philosophy, B.A. in History   **3.6 GPA**
(Magna Cum Laude, Program Honors in Philosophy)   08/2013-04/2018
University of Pittsburgh Dietrich School of Arts and Sciences, Pittsburgh, PA