

Dacey Loving Forward

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SOFTWARE ENGINEER

I'm a software engineer with a passion for creating comprehensive and engaging UIs that are inclusive for all. My background in education has allowed me to explore many different curriculum programs, and has inspired me to develop software that will ensure student engagement and enhance learning.

TECHNICAL & INTERPERSONAL SKILLS

Languages: Python, JavaScript, HTML, CSS, SQL, Mongo, EJS

Libraries and Frameworks: React, Express.js, Django, Bootstrap, Materialize

Databases and other: PostgreSQL, MongoDB, RESTful Routing, Postman

Interpersonal skills: communication, collaboration, adaptability, attention to detail, problem solving, positivity, self-motivation

TECHNICAL PROJECTS

XYLO - [Frontend](#) | [Backend](#) | [App](#) - MERN Stack | Postman

Xylo is an online playroom and your digital toy box inventory, where you can create the perfect toy rotation for your kiddos

- Designed a full-stack application using the MERN-Stack and two-project architecture
- Built a full CRUD application where users can sign up, sign in, and sign out
- Created a user-centric experience where the logged in user can view a playroom that houses all of their created items

Birthday Blaster - [GitHub](#) | [App](#) - Python | Django | HTML | CSS | Javascript | AWS | API

A fun and festive event reminder application, designed to help you remember all those birthdays that have fallen off your radar

- Worked on a team as Scrum Master and Git Manager to design and build a full CRUD application
- Created a user-centric application where users can sign up, sign in, and sign out, as well as store information related to events
- Utilized AWS for photo upload capabilities and an API for email notification event reminders

Goal Gather - [GitHub](#) | [App](#) - Express | Mongo | CSS | EJS | Javascript

Goal Gather is a collective library of IEP goals and objectives for reference when writing a student's IEP

- Designed a user-centric application to store a library of goals and objectives for individualized education plans (IEPs)
- Built a full CRUD application using RESTful routing, with the ability for a user to log in and log out
- Styled the application using Bootstrap, EJS, and CSS to create a simple and user-friendly experience

Concentration, Summer Edition - [GitHub](#) - JavaScript | CSS | HTML

A classic game of concentration to put your memory skills to the test, with a fun summer twist

- Designed a browser-based game that implements effective user functionality with JavaScript
- Built a scoreboard feature with win/loss logic that rendered messages included in HTML

EXPERIENCE

Early Birds Learning House, Owner | Teacher

Reading, MA, 08/2022 - 08/2023

- Managed all aspects of home daycare operations, including scheduling, budgeting, and record-keeping
- Designed and implemented age-appropriate activities and daily routines to support children's learning and growth
- Collaborated with parents to create individualized care plans and communicate children's progress, needs, and achievements

Valley Collaborative Elementary School, Special Education Teacher

Tyngsborough, MA, 12/2019 - 09/2022

- Designed and implemented individualized education plans (IEPs) for students with diverse learning needs, ensuring each student's unique needs were met
- Collaborated with a multidisciplinary team, including parents, therapists, and educational specialists, to develop comprehensive strategies for each student's success
- Implemented assistive technology tools and resources to enhance students' access to the curriculum and promote independence

Belmont Public Schools, Educator

Belmont, MA, 11/2018 - 12/2019

- Developed and implemented engaging and differentiated lesson plans for Kindergarten and 1st Grade
- Provided additional support to students with special needs or learning difficulties by adapting lessons to meet student needs
- Assessed and monitored student progress through regular evaluations and adapting instruction to support learning goals

Scribe, Education Specialist

Boston, MA, 09/2017 - 10/2018

- Created marketing material and product guides to outline Scribe's research and writing platform
- Generated a system for increasing student involvement in research and writing
- Traveled to conferences and school districts as a technical liaison to deploy and integrate Scribe into schools

EDUCATION

General Assembly

Remote, Graduated: 10/2023

Full-stack software engineering 420+ hour program focused on product development fundamentals, object-oriented programming, MVC frameworks, data modeling, and team collaboration strategies.

University of California, Riverside, Bachelor of Arts, Psychology

Riverside, CA, Graduated: 06/2012