

PETER PEGUES

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SOFTWARE ENGINEER

CORE COMPETENCIES

JavaScript | Python | C# | .NET | SQL | MongoDB | HTML | CSS | Node.js | Flask | Django | React | Angular | Java

PROJECTS

NoteTree

- A collaborative note taking app utilizing a hierarchical tree structure for documents.
- C# ASP.NET backend
- React frontend

Thumper (Twitter Clone)

- MongoDB, Express.js, Angular 11, Node.js
- An exploration into the Angular framework and Mongo schema design

Sudoku solver in Python

- Recursive backtracking algorithm used to solve and generate puzzles.
- GUI implemented using Pygame

Boids

- Simulates emergent flocking behavior resulting from three simple rules, separation, alignment, and cohesion
- A Recreation of Craig Reynolds's Boids in Python using Pygame

Conway's Game of Life

- A recreation of the cellular automata simulation in JavaScript

Codecademy: Build Front-End Web Apps from Scratch.

- Full stack development bootcamp using React, Node.js
- Developed several prototype React apps that interfaced with various APIS's, including Spotify, Trip Advisor and Google Authentication

Web Server Administration

- Maintained an Ubuntu server for hosting various web services utilizing Docker, Apache, Nginx, Traefik, Gunicorn, and Git

PROFESSIONAL EXPERIENCE

Draftsperson, Bluedoor Design Group, Abington, PA / Delray Beach, FL March 2021 – Present

- Create and modify technical drawings for interior design in AutoCAD LT

Music Teacher, Private Instructor, Abington, PA January 2020 – Present

- Taught remote private lessons in violin, guitar, and banjo
- Tracked and analyzed student progress to create dynamic strategies for student development
- Created and implemented lesson plans

Small Business Owner, Downeast Bound Music, Morehead City, NC March 2015 – December 2019

- Owned and operated a small music shop that specialized the repair of audio equipment and instruments
- Diagnosed, troubleshoot, and repaired digital/analog audio equipment.
- Analyzed schematics and datasheets to perform board level repairs
- Researched, selected, deployed, and maintained web services for business operations and coordination
- Analyzed sales data to create and enact strategies for continued growth
- Managed sales and inventory, taught students, and executed marketing efforts, bookkeeping, and customer relations

EDUCATION

- **Bachelor of Science Computer Science** October 2020
- Southern New Hampshire University, Manchester, NH
- GPA: 3.9 | Honors: President's List