PETER PEGUES

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SOFTWARE ENGINEER

A recent graduate in computer science, with specialties in JavaScript and Python and an extensive background in electronics repair, small business management, education, operations, and outreach. A self-starter who is comfortable working alone or on a team.

EDUCATION

Bachelor of Science Computer Science   October 2020

Southern New Hampshire University, Manchester, NH
GPA: 3.9 | Honors: President's List

Bachelor of Science Culinary Arts & Hospitality Management   May 2010

Drexel University, Philadelphia, PA

CORE COMPETENCIES

Languages: Python | NumPy | JavaScript | SQL | MongoDB | HTML | CSS | node.js | Flask | Django | React | Angular | Express.js | C++ | Java | XML | jQuery | Json | Regex | Bash
Web Development: Apache | Docker | Nginx | Traefik | Git
Linux Administration: Ubuntu | Red Hat | Shell Scripting
Development: Systems Analysis | Testing | Agile | Waterfall | Scrum
Programs: MS Office | QuickBooks | ArcGIS | Photoshop

COMPUTER SCIENCE PROJECTS

Codecademy: Build Front-End Web Apps from Scratch. Completed April 2018
- Full stack development bootcamp using React, Node.js
- Developed several prototype React apps that interfaced with various APS's, including Spotify, Trip Advisor and Google Authentication

Server Administration   March 2017 – Present
- Maintained an Ubuntu server for hosting various web services utilizing Docker, Apache, Nginx, Traefik, Gunicorn, and Git

Programming Projects   April 2017 – Present
- Sudoku solver using backtracking in Python
- Craig Reynolds's Boids (Flocking Simulator) in Python
- Refactoring/redevelopment of PULSE an analytical ground water recharge modeling application
- Conway's Game of Life in JavaScript and HTML
- Flask, Django, Angular and React web apps

PROFESSIONAL EXPERIENCE

Music Teacher, Private Instructor, Abington, PA   January 2020 – Present
- Taught remote private lessons in violin, guitar, and banjo
- Created and implemented lesson plans
- Tracked and analyzed student progress to create dynamic strategies for student development

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, troubleshot 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