

Ian J Peterson

Software Developer

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TECHNOLOGIES

LANGUAGES	Python, JavaScript, C#, SQL, HTML, CSS, Java
FRAMEWORKS	React, Angular, Node, ASP.NET Core, Express, Django, Flask
DATABASES	PostgreSQL, MySQL, MongoDB, SQLite
TOOLS	Webpack, Git
PLATFORMS	Unity3D

PROJECTS

Pfizer Photography

<https://github.com/xoadra/pfizerphotography>

Photography Gallery

React, Django, Stripe API, SQLite

JavaScript, Python

The photography portfolio of Ursula Pfizer doubling as an e-commerce platform via the Stripe Payments API for selling her work, designed using a React user interface with server-side rendering for search engine optimization supported by a Django backend and administrator site for photo and other site content management and hooked up to a relational SQLite database.

Xambda

<https://github.com/xoadra/xambda>

Technical Portfolio Website

Angular, ASP.NET Core, PostgreSQL

C#, TypeScript, SQL

My software development portfolio website and technical blog, featuring a modern user interface and animation using Angular and search engine optimization via server-side rendering built on top of a web API backend in ASP.NET Core for administrative password validation and blog post storage and retrieval using the object relational mapper Entity Framework Core with a PostgreSQL relational database.

Market Meals

<https://github.com/xoadra/marketmeals>

Farmer's Market Locator

Flask, Google Maps API, SQLAlchemy

Python, JavaScript

A web application integrating a rich user interface with the Google Maps API using asynchronous JavaScript to display nearby farmer's markets and market page links, combined with the relational database object relational mapper SQLAlchemy with a PostgreSQL database for managing data on the markets themselves, participating farmers, their products, and recipes.

EDUCATION

Udacity

Bertelsmann Data Science Scholarship

- Explored statistics fundamentals such as mean, median, and mode, and standard deviation
- Analyzed normal, skewed, and standardized distributions using learned research methods

Coding Dojo

Full-Stack Web Development

- Produced several full-stack MVC web applications in three separate languages and stacks
- Designed responsive web layouts with HTML, CSS, and JavaScript
- Integrated external APIs into several web applications for geolocation, weather, and more
- Secured and validated form data combined with user authentication and authorization
- Executed queries on SQL and NoSQL databases on custom-built, normalized schemas

Milwaukee Area Technical College

Computer Simulation & Gaming

- Applied Agile and Scrum methodologies, including kanban, user stories, and poker planning to simulated entrepreneurial and startup software development
- Utilized foundational computer programming and logic principles in Unity3D engine