Emily Knott

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EDUCATION

B.A. Foreign Languages, Minor in Business, George Mason University — June 2014
Professional Certificate: Big Data for Social Good, Harvardx University — September 2023

SKILLS

Programming Languages: JavaScript, Python, HTML, CSS, Sass, SQL
Libraries & Frameworks: React.js, Redux, jQuery, React Router, Django, Bootstrap, Tailwind CSS
Tools & Platforms: Git, GitHub, Node.js, MongoDB, PostgreSQL, Nginx, Gunicorn, Figma, Postman, Firebase, DigitalOcean, Heroku, Netlify, Vercel, Render

NOTABLE PROJECTS

Real Estate Website | *Python, Django, PostgreSQL, Bootstrap 4, Nginx, Gunicorn, DigitalOcean*　　　GitHub

- Developed and deployed a dynamic real estate listing website using **Python** and **Django** framework. Implemented a robust **PostgreSQL** database schema to manage property listings and inquiries efficiently.
- Enabled pagination to optimize website performance and user interface, resulting in a **25% reduction** in page load time and improved overall user experience. Built an inquiry management system, automating the process of handling property inquiries and improving response times by 40%.

Support Desk App | *MongoDB, Express.js, React.js, Node.js, Redux, React Router 6, Toastify, Render*　　　GitHub

- Designed and implemented a mobile-first support desk application using the **MERN stack**, streamlining the tech support ticketing process.
- Utilized **Redux** for state management, ensuring efficient handling of application state and improving data flow consistency. Implemented **Toastify** for real-time notifications, enhancing user feedback on ticket creation, updates, and resolutions.

GitHub Finder App | *React, GitHub API, Tailwind CSS, DaisyUI, Vercel*　　　GitHub

- Built a GitHub Finder web application using **React**, leveraging the **GitHub API** to fetch and display comprehensive user profile information and statistics. Implemented efficient API calls to fetch user data, enabling real-time search functionality with minimal latency.
- Achieved a **30% improvement** in load times through optimized component rendering and state management. Utilized **React** hooks and functional components, maintaining clean and maintainable code architecture.

House Marketplace App | *React, Firebase, Firestore NoSQL, geocoding API, Google OAuth, Vercel*　　　GitHub

- Created a house marketplace web application using **React**, enabling users to register, sign in, post, and search for available houses for sale or for rent.
- Integrated **Firebase** authentication and **Google OAuth**, providing secure and streamlined user registration and sign-in processes, and reducing user authentication time by 25% through optimized integration. Utilized a **geocoding API**, enhancing user experience by enabling location-based map views.

WORK EXPERIENCE

ESL E-Learning Creator and Editor | Hope English — July 2021 - February 2024

Kindergarten English Teacher | USA Leader Program — April 2018 - June 2021

Private ESL Tutor | Go Federal — April 2016 - March 2019