

Kathleen Pehl

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LinkedIn: <https://www.linkedin.com/in/kathleen-pehl-77bb1710/> • **GitHub:** <https://github.com/kpehl>

Portfolio: <https://github.com/kpehl/kpehl.github.io>

Full stack web developer with a background in systems engineering working for both commercial and governmental entities. Earning a certificate in full stack web development from the University of Central Florida. Award winning engineer with demonstrated leadership skills. Extensive experience across the engineering life cycle: requirements definition, computer aided design, stress analysis, computational fluid dynamics, and acoustic analysis, systems integration, writing and executing test plans, analyzing test data, documenting results. Collaborated successfully with cross-functional teams and suppliers to troubleshoot in-service issues. Recognized for seeking out process improvements, cost savings and exceeding expectations.

PROJECTS

COOK SOMETHING GOOD | GITHUB: <https://bit.ly/3DiwK2F> | APPLICATION: <https://bit.ly/36TgcNw>

- An application that helps users with weekly menu planning and cooking by allowing a user to search for recipes, save chosen recipes to a list, and populate a shopping list. A map shows nearby grocery stores.
- Application created as part of a three-person team
- JavaScript, JQuery, Bulma, HTML, CSS, server-side and client-side APIs

NOTE TAKER | GITHUB: <https://bit.ly/2FCRA5Q> | APPLICATION: <https://bit.ly/343ETDK>

- An application that allows a user to write, edit and delete notes that are stored on a server and accessible from any device.
- Application created as solo project
- JavaScript, Node.js, Express.js, HTML, CSS

TASKMASTER PRO | GITHUB: <https://bit.ly/3LUW2GE> | APPLICATION: <https://bit.ly/31Wc2BE>

- A simple Kanban board style application to locally track and store tasks for a user. Tasks are created with due dates and can be moved from board to board as status is updated. Tasks close to a due date or overdue are color coded to draw attention.
- Application created as solo project
- jQuery, jQueryUI, JavaScript, HTML, CSS

TECHNICAL SKILLS

Programming: HTML, CSS, Bootstrap/Bulma/Foundation, JavaScript (ES5 and ES6), jQuery, Node.js, Express.js, MATLAB, Visual Basic, FORTRAN, PYTHON, PERL, C++

Computer Aided Design and Analysis Tools: CATIA (Generative Shape Design, Part Design, Assembly Design, Electrical Harness Installation and Assembly, Functional Tolerancing and Annotation, and Composite Workbenches)

Applications: Expert user with Microsoft Office and Project

Technical Writing: Requirements documents, test documents, coordination memorandums, standard operating procedures, change management documents

PROFESSIONAL EXPERIENCE

Engineer, Boeing Company, Everett, Washington, 2003-2017

777X Fuel Equipment Design Engineer, January 2015 – March 2017

Wide Body Aircraft Fuel System Design Engineer, November 2012 – January 2015

787 Fuel System Design Engineer, January 2010 – November 2012

787 Composite Structural Design Engineer, March 2008 – January 2010

Engineer, Space and Naval Warfare Systems Center, San Diego, CA, January 2005 – September 2007

Engineer, Naval Air Warfare Center, Weapons Division, China Lake, CA, July 2003 – January 2005

EDUCATION

- Full Stack Web Development Certificate. University of Central Florida. Anticipated completion: January 2021.
- Bachelors and Masters of Science, Aerospace Engineering with Certificate in Atmospheric and Oceanic Science, University of Colorado at Boulder, Boulder, Colorado, 2003