

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, acquiring skills in HTML, CSS, and JavaScript, with an emphasis in designing for responsive design and accessibility. Award winning engineer with demonstrated leadership skills. Fifteen years of 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

WORK DAY SCHEDULER | GITHUB: <https://bit.ly/3BYYUWn> | APPLICATION: <https://bit.ly/320HLLU>

- A simple calendar application where a user can track the day's events. A dynamically generated, color coded grid stores events.
- Application created as solo project
- jQuery, Bootstrap, JavaScript, HTML, CSS

JAVASCRIPT QUIZ | GITHUB: <https://bit.ly/3BPDV1V> | APPLICATION: <https://bit.ly/2QRm5LC>

- A JavaScript powered multiple choice quiz about JavaScript. The quiz is timed and records the high score and time remaining in local storage.
- Application created as solo project
- JavaScript, 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, JavaScript, jQuery, Bootstrap, 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