

# Kathleen Pehl

**Email:** [kathleen.pehl@gmail.com](mailto:kathleen.pehl@gmail.com) • **Tel:** 425-953-6252 • **Location:** Fleming Island, Florida, 32003 USA

**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

**WEEK IN VIEW** | GITHUB: <https://bit.ly/3NkJJNf> | APPLICATION: <https://bit.ly/3LN9Io3>

- An application that allows a user to plan out their week and beyond with a calendar, task list, and local weather. Users create an account, log in, and see their personal homepage with their saved events and tasks.
- Application created as part of a three-person team
- JavaScript, JQuery, Node.js, Express.js, MySQL, Sequelize, passport, HTML, CSS

**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, Node.js, Express.js, HTML, CSS, Bulma, 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

## TECHNICAL SKILLS

*Web Development:* HTML, CSS, Bootstrap/Bulma/Foundation, Handlebars, JavaScript (ES5 and ES6), jQuery, Node.js, Express.js, MySQL, Passport

*Other programming:* MATLAB, Visual Basic, FORTRAN, PYTHON, PERL, C++

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

## PROFESSIONAL EXPERIENCE

### ➤ Engineer, Boeing Company, Everett, WA, 2008-2017

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

- Managed 3 work statements with two suppliers, coordinated design and qualification efforts, resulting in parts being delivered in a fully qualified and certified state in accordance with the project schedule

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

- Led cross-Atlantic team of engineers in the urgent redesign, qualification, certification, and production of a part, with no impacts to production lines
- Led team value stream improvement initiatives in engineering, manufacturing, and in service issues resulting in cost savings of \$23,000,000

*787 Fuel System Design Engineer*, January 2010 – November 2012

- Led design team for fuel tank sensors, coordinating work packages with Fuji Heavy Industries and Mitsubishi Heavy Industries in Japan

*787 Composite Structural Design Engineer*, March 2008 – January 2010

### ➤ Engineer, Space and Naval Warfare Systems Center, San Diego, CA

### ➤ Engineer, Naval Air Warfare Center, Weapons Division, China Lake, CA

## EDUCATION

- Full Stack Web Development Certificate. University of Central Florida. Anticipated completion: February 2021.
- Bachelor of Science and Master of Science, Aerospace Engineering with Certificate in Atmospheric and Oceanic Science, University of Colorado at Boulder, Boulder, CO