

## PROFESSIONAL EXPERIENCE

### Software Engineering LEAP Apprentice – Microsoft 3/2020 - present

- Served on engineering team to design, develop, and test the Outlook Mobile for Android application. Implemented a new feature that allows users to search for a folder when moving emails to a different folder in their mailbox.
- Refactored existing code to match MVVM design pattern; created new view models for handling folder search and selection. Wrote new code and tests in both Java and Kotlin.
- Coordinated with design, project management, and other engineers through design process to finalize UX and engineering design.
- Identified a bug in move-to-folder process where the wrong folder was being hidden from the list of folders available for move. Collaborated with another engineer to develop a solution.
- Participated in Fix-Hack-Learn week and created a working chess board for Android.

### Structural Design Engineer – The Boeing Company 6/2012 – 2/2020

- Redesigned advanced component for B-777 landing gear door locking mechanism, thereby resolving an urgent issue for airlines. Design incorporated onto 500+ airplanes in production and fleet.
- Resolved a recurring safety concern in production by collaborating with mechanics to improve installation of electrical support brackets. Reduced installation time by up to 25% (2 hours).
- Served as primary design engineer for Fuselage Penetrations project on Air Force One program. Worked alongside team to meet demanding drawing release schedule and avoid program delays.

## PROGRAMMING SKILLS

Android Development, Bootstrap, CSS3, Express.js, Git, GraphQL, Heroku, HTML5, Java, JavaScript, jQuery, JSON, Node.js, ReactJS, Redux, REST APIs, SQL

## PERSONAL PROJECTS

### Outwork Fitness: <https://outwork-cjy.herokuapp.com>

- Developed and actively maintain a full-stack, mobile responsive fitness website for logging workouts, tracking metrics, and competing against other users.
- Implemented promised-based communication between client and server using Axios.
- Utilized Strava API and Google Maps API for getting run and bike data and displaying routes on a map.

### Congo Book Sales: <https://congobooksales.herokuapp.com>

- Developed a full-stack, mobile responsive website for selling my book collection. Sold 250+ books.
- Utilized PayPal API for getting customer shipping information and processing credit card payments.
- Created functionality for new user registration, password encryption, password recovery, a custom shopping cart, and order history.

## EDUCATION

Certificate in Full-Stack Web Development – Trilogly Education 9/2018 - 4/2019  
Bachelor of Science in Civil Engineering – Oregon State University 9/2008 - 6/2013

## AFFILIATIONS

### Volunteer – Seattle Cancer Care Alliance 9/2019 – present

- Performed acoustic guitar music at events for cancer patients at SCCA.

### Club President – Toastmasters International 3/2014 - 6/2016

- Led club to achieve President's Distinguished Club award, the highest possible club rating.
- Earned Advanced Communicator Silver, Competent Leadership awards, 1/2015.