Seattle, WA

CURTIS YUNGEN

github.com/curtisyungen

linkedin.com/in/curtisyungen   curtisyungen@gmail.com   curtisyungen.github.io/Portfolio

CAREER SUMMARY

Boeing engineer with a passion for coding looking to go from building planes to building websites. Adept at working both independently and in teams. Brings technical background, staunch work ethic, and aptitude for solving complex problems. A self-starter and eager learner who is always looking for the next big challenge.

PROGRAMMING SKILLS

HTML5, CSS3, JavaScript, jQuery, SQL, Bootstrap, Express.js, ReactJS, Node.js, Redux, Git, Heroku, APIs

FULL-STACK DEVELOPMENT PROJECTS

Congo Book Sales: https://congobooksales.herokuapp.com
- Developed a **full-stack**, **mobile responsive** website for selling my collection of over 460 books.
- Designed **dynamic front-end** using React. Built **robust back-end** using Express, Node, and MySQL.
- 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.
- Dispatched emails to customers for order confirmation and password resets using nodemailer.

Outwork Fitness Tracker: https://outwork-cjy.herokuapp.com
- Developed a **full-stack** website for tracking workouts of various types for multiple users.
- Designed front-end using React; constructed back-end using Express, Node, and MySQL.
- Implemented **promised-based communication** between client and server using Axios.
- Created user accounts with unique profiles, metric tabulations, and modifiable workout history.
- Built **data visualization** graphic for viewing weekly mileage totals using D3 Analytics.
- Used Bootstrap to make site **fully mobile responsive**.

Conway's Game of Life: https://conway-cjy.herokuapp.com
- Created an interactive solution for simulating Conway's Game of Life using Express, Node, and React.
- Added features such as preloaded patterns, speed settings, and color theme options.

PROFESSIONAL EXPERIENCE

Structural Design Engineer – The Boeing Company   6/2012 - present
- 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.
- Streamlined workflow process through leadership of Lean/5S initiative on fuselage design team.

EDUCATION

Certificate in Full-Stack Web Development – University of Washington   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.