

AJA STROMMEN

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Github: <https://github.com/astrommen> | Portfolio: <https://astrommen.github.io/Portfolio/>

Front-End Web Developer with experience in the Aviation Industry and excelling at making order out of chaos. Recently earned a certificate in Full Stack Development from the University of Penn, with skills in HTML, CSS, JavaScript, and responsive web design. Known for innovative leadership and cross-collaboration to leverage the skills of teammates to meet schedule and cost deadlines. Made a goal to create an engaging and frustration-free user experience while maintaining intuitive, easy to manage code.

TECHNICAL SKILLS

Languages: Java, Javascript, CSS3, HTML5, MongoDB, MySQL

Frameworks/Libraries: React.js, Handlebars, Bootstrap, Sequelize, Node.js, Express.js, Mocha/Chai

Applications: Firebase, Github, VSCode, Microsoft Office Suite, CATIA, CAMVis, CSPR, EVIS, IPDM, MESci

PROJECTS

Kicking in the Kitchen

http://github.com/astrommen/Group_Project-1 | http://astrommen.github.io/Group_Project-1

- A web application that pairs a list of movies with a list of recipes. The user first selects a mood/genre for the movie and a list of recipes appear below. The movie list has a sliding feature and the recipe list a flip feature showing the ingredient list on the back.
- Responsible for the following:
 - Movie and Recipe API calls
 - Movie card sliding feature
 - Recipe card flip feature
- Tools/Languages used: Github, REST APIs, Firebase, AJAX, Express.js, Swiper.js, Bootstrap, JQuery, CSS, and HTML

Little League Logger

<http://github.com/hgowton/LittleLeagueLogger> | <http://serene-wildwood-99811.herokuapp.com>

- A full web application for little league baseball coaches and participants to create an account, log in, and track games with scores of their team. The coach has the capability to set future games and set scores in real-time. Other participants can view the game score in real-time and add comments.
- Responsible for the following:
 - Game Calendar
 - User Database
 - Login authorization
 - Password Encryption
- Tools/Languages used: Heroku, Github, MySQL, Sequelize, AJAX, API, Bcrypt, Node.js, Express.js, JQuery, Bootstrap, CSS, and HTML

WhereTo

<https://github.com/astrommen/WhereTo> | <https://where-to-planner.herokuapp.com>

- A full web application that provides recommendations for day trips and vacation activities. The user can create an account, log in, search for activities based on location and length of stay. The user can then save their favorite activities as a viewable list on their profile page. The user can also add or change their profile picture.
- Responsible for the following:
 - User Database
 - Login authorization
 - Password Encryption
 - Profile Photo Upload Capability
- Tools/Languages used: Heroku, Github, MongoDB, AWS S3, Multer, Robo3T, REST APIs, AJAX, Passport.js, Bcrypt, Node.js, Express.js, JQuery, Bootstrap, React.js, CSS, and HTML

EXPERIENCE

Manufacturing Technical Analyst

2019 – present

The Boeing Company

Ridley Park, PA

Client-side functional support for engineering, supplier management, and operations departments that provides back-end resolutions, monitors and analyzes for degradation trends, communicates and elevates trends to the appropriate focal, and minimizes daily disruption by troubleshooting with minimal supervision.

Key Accomplishments:

- Created customer acceptance testing (CAT) scripts and testing data for the IPDM upgrade deployment. Monitored and troubleshoot issues during CAT of 6 testers of varying mastery of the application.
- Created process documentation to mitigate company disruption due to a bug that would have caused a 50% increase in cost to statement of work.

Temporary Operations Supervisor

2019 – 2020

The Boeing Company

Ridley Park, PA

Factory Operations Supervisor for 30 aircraft technicians, sheet metal assemblers, and flight test operations.

Addressed and resolved safety concerns and work disruptions. Reviewed plan executions and made appropriate adjustments to resolve issues, while maintaining contact with all appropriate stakeholders.

Key Accomplishments:

- Adjusted statement of work for better flow of operations and to mitigate the increase of cost and schedule variance due to parts shortage. Resulted in over 400 hours of recovered schedule over 3 weeks.
- Finalized the prototyping and use of 3D printed parts to further mitigate cost and schedule variance due to part shortages.

V-22 Manufacturing Electrical Lead Planner

2015 – 2019

The Boeing Company

Ridley Park, PA

Created schedule and tasks for engineering changes. Monitored metrics and participated in agile-based weekly sprints with Project Management, providing status during weekly and daily standups. Collected, organized, analyzed performance data, and summarized findings to develop recommendations on risk mitigation of potential shop disruptions before occurrence.

Key Accomplishments:

- Negotiated with a government agency to reduce time spent on physical configuration audits for new programs by 15% and implemented an excel based reconciliation for engineering consumption.
- Implement Model Based Instructions and workflow process on the V-22 Program with a team of 5 planners. V-22 MBI is now used by 14 planners in 4 Integrated Product Teams. It improved Quality's response time to create and close non-conformance documents. MBIs also reduced their time to close out jobs by providing engineering in a highly manipulative graphical format.

H-47 Electrical Lead Technician

2012 – 2015

The Boeing Company

Ridley Park, PA

Built, diagnosed malfunctions, and performed adjustments/repairs of electrical and mechanical assemblies to engineering specifications using precision measuring instruments. Experienced in assembly/fabrication and disassembly of electrical connectors. Researched and gathered data in support of manufacturing issues of limited scope.

Key Accomplishments:

- Awarded Technician of Excellence for completing the most jobs on the UK RAF H-47 Program.
- Collaborated with industrial engineers, planners, and quality management to adjust bar charts for 5% cost reduction and 10% schedule improvement over 6 months.

EDUCATION

Penn LPS Coding Bootcamp Certificate: University of Pennsylvania

Bachelor of Science in Aeronautics: Embry-Riddle Aeronautical University, Prescott, AZ