

Harold L. Williams

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Summary: Mechanical Engineer turned Software Engineer.

Education:

General Assembly, Atlanta, GA
Software Engineering Immersive

9/2019 – 12/2019

Georgia Institute of Technology, Atlanta, GA
Bachelor of Science: Mechanical Engineering

8/2006 – 5/2011

Experience:

General Assembly, Atlanta, GA
Software Engineering Immersive Student

9/2019 – Present

- Built marketplace style app using React-Django stack
 - Used Google Static Maps API to provide listing location
 - Used Google Firebase API to store and serve product images
 - Used Python based Django to build MVC architecture
 - Used PostgreSQL to build the database
- Built a two-player Scrabble simulator, called Ramble, as MERN stack web app
 - Pushed to Heroku to host app
 - Built client-side game interface using React
 - Used Axios to handle front-end requests
 - Built RESTful back-end API with Node and used Express to handle requests
 - Used MongoDB to manage all created games and their data
- Built Simon game simulator as front end web app using HTML, CSS, and JS
- Use GitHub Projects and Issues to manage class projects
- Use Git version-control system to track project revisions

Parker Hannifin Aerospace Filtration Division, Greensboro, NC

Quality Engineer (Aerospace Assembly / Metals)

8/2017 – 6/2019

- Worked with manufacturing team to identify process improvement opportunities
- Provided monthly Cost-Of-Poor-Quality reports
- Implemented vendor process capability requirements

Manufacturing Engineer (Packaging & Part Identification)

9/2016 – 7/2017

- Reviewed and revised production processes as needed for conformance to customer orders
- Generated laser marking programs and fixtures
- Performed packaging performance evaluations against industry standards
- Proposed and purchased capital packaging equipment

Tie Down Engineering, Inc., Atlanta, GA

Quality Engineer and Supervisor

8/2015 – 8/2016

Quality Engineering Associate/Metrology

6/2013 – 8/2015

- Trained and lead a team of quality technicians
- Prepared APQP/PPAP documentation per customer requirements
- Designed in-process check fixtures using SolidWorks

Lawn Master Outdoor Living L.L.C., Atlanta, GA

Territory Manager

2/2012 – 1/2013

- Performed all customer facing duties including site visits and quote preparation

Skills:

Programming: React, Node, Express, Axios, JavaScript, Python, HTML, CSS, Handlebars, MongoDB, SQL, Git

Language: Spanish (Basic)