Harold L. Williams

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Summary: Mechanical Engineer turned Software Engineer.

Education:

General Assembly, Atlanta, GA   **9/2019 – 12/2019**
Software Engineering Immersive

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 – 12/2019**
- 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
- Used GitHub Projects and Issues to manage class projects
- Used 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)