

I am a Full-Stack Web Developer with certification from the University of Texas-Austin Coding Bootcamp and a B.S. in Mechanical Engineering from the University of Wisconsin-Madison. I am able to effectively work and communicate cross-functionally; I enjoy working with both the forest and the trees - a team that works well together is greater than the sum of its parts.

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#### TECHNICAL SKILLS

**Languages:** Excel VBA, HTML, CSS, JavaScript.....

**Applications:** VS Code, Bash Terminal, Git, Bootstrap, Bulma.CSS, Node.js.....

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#### PROJECTS

**SHAKR App** | [github.com/abraspin/Project-1-The-Silent-Marvels-](https://github.com/abraspin/Project-1-The-Silent-Marvels-) | [abraspin.github.io/Project-1-The-Silent-Marvels-](https://abraspin.github.io/Project-1-The-Silent-Marvels-)

- A cocktail generator web-app that uses theCocktailDB.com and Google Maps API to render cocktail recipes based on user-submitted ingredients on-hand
- Core responsibilities: JS for contacting API and parsing returned data, JS for tracking and iterating cocktail objects for best-match functionality, JS for dynamically rendering all cocktail information onto page, QA and JS for input error checking, README documentation
- Tools / languages used: Javascript, jQuery, Bulma.CSS, HTML, Font Awesome, Markdown, theCocktailDB API

**Weather Dashboard** | [github.com/abraspin/Weather-Dashboard](https://github.com/abraspin/Weather-Dashboard) | [abraspin.github.io/Weather-Dashboard](https://abraspin.github.io/Weather-Dashboard)

- Weather Dashboard application. Uses OpenWeather API to retrieve weather data for user-inputted cities, and saves search history to local storage
- Tools / languages used: Javascript, jQuery, Bootstrap, HTML, Font Awesome, Markdown, openWeather.org API

**Code Quiz** | [github.com/abraspin/Code-Quiz](https://github.com/abraspin/Code-Quiz) | [abraspin.github.io/Code-Quiz](https://abraspin.github.io/Code-Quiz)

- A very silly quiz with very silly rules. An interactive web app quizzes the user on basic coding questions, storing high scores in local storage. Utilizes timers, dynamic HTML rendering with JS, and local storage
- Tools / languages used: Javascript, jQuery, Bootstrap, HTML, Font Awesome, Markdown

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#### EDUCATION

**Bootcamp Certificate:** University of Texas-Austin Full-Stack Web Development, January 2021

- *A 24-week intensive program focused on technical programming in HTML5, CSS3, Javascript, JQuery, Bootstrap, Firebase, Node Js, MySQL, MongoDB, Express, Handelbars.js & ReactJS.*

**B.S. Mechanical Engineering:** University of Wisconsin-Madison, May 2015

- *Emphasis on Computer Science, Computer Aided Design, Composite Polymer Manufacturing*

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#### EXPERIENCE

**Manufacturing Engineer** TASUS Texas, Georgetown, TX

August 2018 - June 2020

TASUS adheres to the Toyota Production System "14 Principles" of management, requiring cross-functional teamwork and critical problem solving. This role's core responsibilities included product launches, training and operations documentation, Kaizen process improvement, and analyzing production viability data.

*Key Accomplishments:*

- Extrusion production line 36% overall profit increase: scrap reduction, improved data reporting, change-over reduction, plumbing, reducing virgin plastic requirement by 75%
- Collaborated on acquisition, transportation, and installation of 1450T Injection Molding press, auxiliary robotics, and workstation
- Lean Manufacturing Certification of Achievement - *Southwest Research Institute*
- Certifications: Programmatic Logic Controllers, Robotics Fundamentals - *ACC Continuing Education*

**Manufacturing Engineer / Assembly Manager** Vision Plastics, Inc. Elkhorn, WI

July 2015 - August 2018

This role's responsibilities included new-product launch, continuous improvement of manufacturing methods for injection molding and secondary operations, and daily team management of production personnel with emphasis on 5s and lean practices.

*Key Accomplishments:*

- Core member of implementation team for new ERP manufacturing management software (IQMS)
- Created, analyzed, and reported metrics for machine/operator cycle efficiency
- Project Lead for purchase & install of new 3-barrel Krauss-Maffei injection press & auxiliary equipment

- Project Lead for purchase & install of new facility HVAC unit
- Collaborated on new APQP introduction process for new products and processes