JJ Gillian

Software Engineer

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Education

MS in Software Engineering

Kennesaw State University, GPA 4.0

BS in Industrial Engineering

Burapha University, Thailand

Technical Skills

Java, JavaScript, Python, HTML, CSS

Node.js, Bootstrap, Spring Boot

MONGO DB, mySQL, SQLite

Postman, Git, JUnit, Bootstrap, Jira

Agile, Amazon AWS/EC2

IntelliJ, Eclipse, Visual Studio Code Netbeans

AutoCAD, Solidworks, Inventor

Geomagic Design X, Rapidform

Zscan (3D scanner), Faro Edge Scanner

Adobe Illustrator

Catalyst by Stratasys (3D Printer)

Experience

June 2017 - July 2019

Software Engineering student   KENNESAW STATE UNIVERSITY

- Recently graduated MS in Software Engineering.

Dec 2014 - June 2017

Product Engineer   PAI INDUSTRIES, Inc

- Designed aftermarket automotive parts for truck market.
- Responsible for Product / Design development, first article inspection, and product analysis.
- Utilized Solidworks and 3D Faro Edge ScanArm to create 3D models and detailed drawings.

May 2010 - May 2014

Product Designer   OMIX-ADA Inc.

- Designed aftermarket automotive accessories for Jeep, truck and SUV markets under the brand Rugged Ridge®.
- Utilized Solidworks, 3D scanner and 3D printer to create product prototypes.
- Created products through processes of stamping, large injection molds, thermoforming, aluminum castings, etc.
- Collaborated between engineering team, manufacturer, graphics team to sales and marketing to realize best final product.

Projects

RESTful Web Service application   Currently working on this project

- RESTful Web Service application with Java, Spring MVC, Spring Boot, Spring Data JPA to implement features User sign-up/User sign-in, email verification,Password Reset, get user details API call, secure Web Service endpoints with Spring Security, use Amazon AWS Simple Email Service(SES) to send and request to confirm user email address.

TUG Vehicle Aircraft Classifier   Master Degree Capstone

- Android application using a camera to detect and label commercial aircraft tires for use with towing vehicle.
- Utilizes Tensorflow Lite, Android Camera2 API, Google Places API, and AWS Dynamo database.
- Sponsored by Textron GSE.
- Utilized Agile/Scrum project management methodology.
- Won 3rd place best graduate project at the college of Computing and Software Engineering Computing show case event (C-Day)

Gamer Matchmaking System   Matchisuru

- Web application that matches online multiplayer games to another players based on the results of a questionnaire. MySQL is used for the database.
- The web application features include registration, login, update profile, and player matching.
- Hosted at http://mat-php.herokuapp.com/
- Utilized Agile/Scrum project management methodology.

Rock Climbing Website   Climbing Life

- Web application about rock climbing using CSS/HTML/JavaScript
- Hosted at https://jjgillian.github.io/climbinglife/