

# JJ Gillian

## Software Engineer



Dunwoody, GA



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## Technical Skills

### Programming

Java, Python, JavaScript

HTML, CSS, SQL

## Education

### MS in Software Engineering

Kennesaw State University  
(Summer 2019)

### BS in Industrial Engineering

Burapha University, Thailand

## Languages

English

Thai

## Hobbies

Rock Climbing

Basketball

## Experience

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

### 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

Climbinglife

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

## Tools

- Git, JUnit, Bootstrap, Android Studio, Jira, Agile, Amazon AWS/EC2
- Netbeans, Eclipse, Visual Studio Code
- AutoCAD, Solidworks, Inventor, Geomagic Design X, Rapidform, Zscan (3D scanner), Faro Edge Scanner
- Adobe Illustrator, Adobe Indesign, MS Office
- Catalyst by Stratasys (3D Printer)