github.com/abepena   www.abepena.com   LinkedIn   949-836-6285   pena.abe@gmail.com

# Abraham Pena

## SKILLS

| | | | | |
|---|---|---|---|---|
| Django | Python | JavaScript | HTML | CSS |
| SQL/PostgreSQL | Git | Bootstrap | Sass | Rest APIs |

## PERSONAL PROJECTS

**NATALIE'S SECOND CHANCE WEB APP** - *Sept 2018 - Present*

– Initiated complete overhaul and redesign of outdated local dog shelter website

– Implemented CMS for administrators to quickly add, edit, and delete records of dogs at the shelter

– Created custom forms using Django's Forms API and for donations and leveraged stripe API for payments

**PRODUCTHUNT CLONE** - Aug 2018

– Built full featured web application with Django complete with authorization and authentication

– Granted anonymous users ability to view products and registered users ability to create, and up-vote products.

**BOEING DESIGN, BUILD, FLY** - Aug 2015 – May 2016

– Conceptualized, designed, and manufactured a working prototype of a new surveying Unmanned Aerial Vehicle for use in wildlife surveillance

– Managed a team of 3 students through various tasks and computer simulations of propulsion options by creating team brainstorming sessions, allotting individual assignments, and approving final decisions

## EDUCATION

**B.SC. AERONAUTICAL & ASTRONAUTICAL ENGINEERING**

*PURDUE UNIVERSITY, GRADUATED DECEMBER 2016*

## TECHNICAL WORK EXPERIENCE

**DESIGN ENGINEER, SUPPLIER SUPPORT**

*Butler Aerospace & Defense, Jun 2017 – Jun 2018*

– Investigated production & manufacturing issues for Sikorsky Helicopters' Blackhawk, Navalhawk, and commercial helicopters

– Presented weekly solution proposals to engineering team leads based off of personal research of similar issues and communication with manufacturer

– Implemented solutions through revisions of blueprints, 3D models, and/or technical specifications in order to deliver helicopters on or before delivery deadlines

– Provided off-hour support whenever necessary to ensure on-time delivery of urgent helicopter orders

**ENGINEERING INTERN**

*GE Aviation, May 2012 – Aug 2012*

– Prepared final testing stages of over 300 engines from 5 different GE engines and performed final inspections for shipment I order to meet purchase order deadlines

– Created a scheduling notification system using Microsoft Excel VBA for technicians to alert test operators which engine would be tested next and which engines take precedence over another

– Drafted and implemented a new engine lift for test preparation which included CG calculations for lifting mechanisms, creating new lift points, and performing weight checks for safety