Paula Goyanes

FULL STACK SOFTWARE ENGINEER | goyanespaula.github.io

LinkedIn: linkedin.com/in/paulagoyanes | **Github:** github.com/goyanespaula

Phone: (561) 584-0581
Email: goyanespaula@gmail.com
Location: San Francisco, CA

EXPERIENCE

Course Report – Full Stack Software Engineer (Contract), Ruby on Rails

2018

* Refactored backend functionality to more accurately match 300,000+ monthly users to schools. The feature included rewriting the matching algorithm, expanding the database schema for the required queries, and restructuring controller logic
* Improved website performance (20% faster page loads) through various optimizations, including the elimination of unnecessary N+1 database queries
* Added 20+ CSS fixes and mobile platform optimizations, including building a sleek, responsive view for school outcomes on pages with 500,000+ monthly views
* Implemented client and server side functionality for adding email subscription options, including a responsive restyling of the site's footer and integration with MailChimp

Encobridge – Education Consultant, Web Developer (Contract)

2017 - PRESENT

* Helped to design and create the Encobridge business website
* Drafted course material for engineering continuing education classes. Topics included basic infrastructure construction, quality management, and ethics & responsibilities
* Created and organized the framework and materials necessary for business certification as continuing education & CTQP providers by the State of Florida and Miami Dade

Clear Labs – Research Associate & Quality Manager

2015 - 2017

* Trained on and carried out all steps of the DNA sequencing workflow, including representative subsampling, DNA extraction, amplification, and next generation sequencing
* Expanded the platform with GMO quantification, microbiome analysis and WGS serotyping of pathogens by building and executing R&D projects
* As Quality Manager played a key role in obtaining and maintaining ISO 17025:2005 accreditation and compliance, writing 80%+ of our standard operating procedures (SOPs)

Genentech – Manufacturing Bioprocess Technician

2014 - 2015

* Produced and purified biotherapeutic medicines (biologics) derived from genetically modified *E.coli* cells while upholding compliance to good manufacturing practices (cGMPs)
* Executed and troubleshooted commercial manufacturing tasks such as reagent prep, protein purification, sterilization, and interfacing with automated systems such as PLCs
* Setup and executed CIP, SIP, column chromatography and buffer solution operations

Dr. Hughes Fruit Fly Genetics Lab – Laboratory Technician

2011 - 2012

* Researched the genomic determinants of life span using biochemical assays
* Designed & ran experiments determining ecological/genetic factors in sexual selection
* Supervised tasks conducted by volunteers such as matings/transfers, ensuring good laboratory practices (GLP)

SKILLS

Engineering

JavaScript · Python · HTML · CSS
Node.js · Express · MongoDB · Flask
React · Redux · Ruby on Rails
PostgreSQL · Relational DBs · Heroku

Design

Adobe Illustrator · Adobe InDesign
Adobe Photoshop · Adobe Acrobat
Adobe Animate

Science

Aseptic Technique · cGMP
Gel Electrophoresis · PCR
GC/HPLC Chromatography
Next Generation Sequencing

Language

Spanish · English
Interpretation · Translation

OTHER EXPERIENCE

Liberty U.S.A. Immigration – Translator, Interpreter, Aid

2006 - PRESENT

Liberty Immigration is committed to giving individuals their best chance at contributing to & diversifying our society by aiding them in the path to American citizenship.
As a volunteer I:
*Translate Birth, Baptismal, and Marriage Decrees for clients with income levels below the Federal Poverty Guidelines
*Assist in determining paths to naturalization, having helped over 400 clients

EDUCATION

Rithm School
Web Development Immersive

Florida State University - 3.9 GPA
Bachelor of Science - Biochemistry
Bachelor of Science - Biology
Minors - Physics, Spanish Literature