

Paula Goyanes

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EXPERIENCE

Course Report – Full Stack Web Developer (Contract), Ruby on Rails

2018

- *Refactored backend functionality for matching 100,000+ monthly users to schools by optimizing the database schema for the required queries, optimizing the matching algorithm, and restructuring controller logic
- * Improved website performance (20% faster page loads) through various optimizations, including the elimination of unnecessary N+1 database queries
- *Built functionality for viewing custom outcomes on school pages (400,00+ users/month) using a sleek, responsive design
- * Implemented client and server side functionality for expanding email subscription options, including a responsive restyling of the website's main footer

Encobridge – Compliance & Education Consultant, Software Developer (Contract)

2017 - PRESENT

- *Designed and developed the Encobridge business website using frontend technologies
- *Designed 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

- *Carried out & trained on 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 over 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 and conducted experiments determining ecological/genetic factors in sexual selection
- *Supervised tasks conducted by volunteers such as matings/transfers, ensuring good laboratory practices (GLP)

EDUCATION

Rithm School

Full Stack Web Development

Florida State University - 3.9 GPA

Bachelor of Science - Biochemistry
Bachelor of Science - Biology
Minors - Physics, Spanish Literature

SKILLS

Engineering

JavaScript • Python • HTML • CSS
Node • Express • MongoDB • Flask
React • Redux • Ruby on Rails
Postgres • SQL

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

LOCATION

San Francisco, CA