Paula Goyanes

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EXPERIENCE

Course Report – *Full Stack Web Developer (Contract)*
2018

*Refactored backend functionality for matching 100,000+ monthly users to schools by modifying the database using ActiveRecord, optomizing the matching algorithm, and restructuring controller logic

* Improved website performance (faster page loads) by using Ruby on Rails technology and PostgreSQL to eliminate 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 websites main footer

Encobridge – *Compliance & Education Consultant, Software Developer*
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 at obtaining and maintaining ISO 17025:2005 accreditation and compliance

Genentech – *Manufacturing Bioprocess Technician*
2014 - 2015

*Produced and purified biotherapeutic medicines (biologics) derived from genetically modified *E.coli* cells
*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
*Strictly upheld compliance to good manufacturing practices (cGMPs) and standard operating procedures (SOPs)

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

Design
Adobe Illustrator • Adobe InDesign
Adobe Photoshop • Adobe Acrobat
Adobe Animate

Science
Aseptic Technique • cGMP
Gel Electrophoresis • PCR
GC/HPLC Chromatography
Media/Buffer Prep
Next Generation Sequencing

Language
Interpretation • Translation

OTHER EXPERIENCE

Liberty U.S.A. Immigration – *Translator, Interpreter, Aid*
2009 - 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