ANA SILVA

SOFTWARE ENGINEER

I'm passionate about coding and building things that make people's lives easier. Originally trained as a biochemist, my career in science provided me with great skills, such as problem solving, analytical and logical thinking to tackle difficult questions. I always enjoy new challenges and am now looking forward to pursue a career in tech.

SKILLS

- JavaScript, HTML, CSS, jQuery, Underscore, Ruby, REACT.js, JSX, Vue.js, Ruby on Rails, Node.js
- SQLite, Postgresql, API integration, Ajax and Axios
- GitHub, Heroku and Firebase deployment
- Photoshop, Illustrator, ImageJ
Some experience:
- TDD, Bootstrap, Meteor, MongoDB, Perl

CONTACT DETAILS

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LinkedIn: linkedin.com/in/ana-pg-silva/
Github: github.com/anapgsilva

References can be provided upon request.

RELATED PROJECTS

Colouring Application: colourfill.firebaseapp.com/
Images can be obtained from requests to an external API or from the device camera. This application was built using **REACT.js** and was hosted on **Firebase** (real-time database and function).

Restaurant website: anapgsilva.github.io/restaurant_client/
E-commerce application where users can make orders for pick-up or delivery. Website built using **REACT.js** and **Ruby on Rails**.

Movie Library: anapgsilva-movielibrary.herokuapp.com/
Users create their own libraries and populate them with movies, for which information is pulled from an external API. Has a movie suggestion feature. Project built solely in **Ruby on Rails**.

Tic-Tac-Toe Game: anapgsilva.github.io/tictactoe-nxn/
This is a classical game of noughts and crosses, with the option of either a 3X3 or a 9X9 board game. Built using **Javascript**, **HTML** and **CSS**.

Memory Card Game: anapgsilva.github.io/memory_game/
Simple card game where the player needs to turn two cards that match. Built using **Javascript**, **HTML** and **CSS**.

EXPERIENCE

INSTRUCTIONAL ASSISTANT SEI-35
General Assembly Sydney, since Jan 2020

POSTDOCTORAL RESEARCH FELLOW
University of Sydney, Australia, 2012-2019
Studies of the Nucleosome Remodeling and Deacetylase complex. Wrote a few scripts in Perl for data analysis. Demonstrated, supervised and trained Science students; examined Master thesis; and spoke at conferences.
University of Manchester, UK, 2009-2011
Structural-based drug design project to develop new drugs against *Mycobacterium Tuberculosis* protein phosphatases. Supervised and trained both undergraduate and PhD students.
University of York, UK, 2009
Determined the 3D-structure of a few kinase-drug complexes from the Malaria-causing *Plasmodium Falciparum*.

EDUCATION

GENERAL ASSEMBLY SYDNEY, AUSTRALIA
Software Engineering Immersive SEI-34, Oct-Dec 2019

UNIVERSITY OF YORK, UK
PhD in Chemistry, 2004-2009

UNIVERSITY OF LISBON, PORTUGAL
Bachelor in Chemistry, 1999-2003