

# 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 to tackle difficult questions, such as problem solving, analytical and logical thinking. 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

Phone: 0499 143 374

Email: [apgsilva81@gmail.com](mailto:apgsilva81@gmail.com)

LinkedIn: [linkedin.com/in/ana-pg-silva/](https://www.linkedin.com/in/ana-pg-silva/)

Github: [github.com/anapgsilva](https://github.com/anapgsilva)

References can be provided upon request.

## RELATED PROJECTS

**Colouring Application:** [colourfill.firebaseio.com/](https://colourfill.firebaseio.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/](https://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/](https://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/](https://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/](https://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