Clara Di Gregorio

Web developer with a background in environmental biology. Worked as a research assistant performing research tasks (data collection and analysis, writing of scientific papers) and teaching duties. Developed strong qualitative and quantitative analytical skills, as well as interpersonal and work-management skills.

Projects

Chat App / *CareerFoundry*   Jul 2022 – Aug 2022

- Used React Native to build a mobile chat app that allows users to share text messages and media files.
- Used Firebase's Cloud Firestore to store data and ensure real-time transfer to the user.

Meet App / *CareerFoundry*   May 2022 – Jun 2022

- Built a serverless, progressive web application (PWA) with React that showcases upcoming events by city.
- Used a test-driven development (TDD) approach by writing test scenarios with Gherkin syntax to implement feature-specific tests.
- Set up an authorization server on AWS Lambda for issuing OAuth2 tokens that allow the user to fetch data from the Google Calendar API.

Movie API & React App / *CareerFoundry*   Mar 2022 – Apr 2022

- Built the server-side component of a "movies" web application by creating a RESTful API using Node.js and Express.
- Stored movie data in MongoDB and implemented business logic with Mongoose to integrate the data layer with the rest of the application.
- Implemented basic HTTP authentication for initial login requests and JWT authorization for subsequent requests.
- Used React to build a SPA that fetches data from the movie API using axios.
- Implemented a state-based router to navigate between views and Redux for state management.

Work Experience

Research Assistant   Oct 2020 – Dec 2021
University of Bayreuth, Dept. of Biogeography

- Collected and analyzed data of mammal species in Ancient Egypt to derive information regarding the climate and ecosystem of the time. The results were featured in a project proposal and are part of an ongoing project.
- Implemented two master courses, taking care of program organization, teaching, and final exams.

Project Intern   Mar 2019 – Jul 2019
Estación Biológica de Doñana (CSIC), Spain

- Collected data regarding wildlife damages and conservation of vertebrate species, setting up and compiling the initial database for a state-funded project.

Contact

- ✉ digregorioclr@gmail.com
- 📞 +4915229395934
- 📍 Bayreuth, Germany
- 🌐 https://www.claradigregorio.com
- 🔗 https://www.linkedin.com/in/claradg/
- 🔗 https://github.com/cladg92

Skills

- HTML/CSS
- JavaScript, jQuery
- Server-side programming: Node, Express, PostgreSQL, MongoDB, Firebase
- Client-side programming: React, React Native, Redux, React-Bootstrap, Angular
- Testing and monitoring: Jest, Enzyme, Jest-Cucumber, Puppeteer, Atatus
- GitHub/Git version control
- Documentation: Swagger, JSDoc
- Geographic information systems (QGIS, ArcGIS)
- Data analysis: R, Tableau, Excel

Education

Full-Stack Web Development
Feb 2022 – Aug 2022
CareerFoundry, online

MSc Environmental Biology
Oct 2017 – Apr 2020
University of L'Aquila, Italy

BSc Biology
Oct 2012 – Oct 2017
University of L'Aquila, Italy