

ABOUT ME

Junior Developer placed in Liverpool, but open to relocate within the UK.
 I have developed a passion for web development, despite my Engineering background.
 I have recently graduated from Code Nation Master Bootcamp. I enjoyed the 12 week bootcamp, especially working in teams using Git and GitKraken. Since then I have been focusing on fullstack web development, my main interest being in UI Design. I am interested in all things Javascript related and I use React.js for most of my projects. I am constantly looking to improve my knowledge by building new apps and following educational channels to improve my skills.

TECHNICAL SKILLS

- Programming Languages/ Technologies: Javascript, HTML, CSS, React.js, Node.js
- Databases: SQL, Mongo DB, Django
- Project management tools: Git, Github, GitKraken, GitKraken Boards, Figma
- Modelling softwares: Solidworks, Solidedge, Inventor 3D, Autocad 2D
- Numeric language: Matlab

EMPLOYMENT HISTORY

- (2020 - 2021) Support worker, Affinity (NCG – National Care Group) (Liverpool, UK)
- (2018 - 2019) Helper for an English teacher, private school (Milan, Italy)
- (2015 - 2019) Babysitter, English tuitions (kids age 4 to 10) - Tuitions for higher secondary students (Milan, Italy)
- (2007 - 2014) Maths, Physics, Latin and English tuitions (Rome, Italy)

PROJECTS

- Quiz app - Quiz with multiple choices and true or false, different levels of difficulties, timebomb animation, scoreboard, sign in, sign up, avatars for each user, logo design, deployment (MERN fullstack - Mongo DB, Node Express, React.js, Node.js, API, Insomnia)
- Dice game - Players roll a dice until they score 20 or higher (single and multiple players version) (HTML, CSS)
- Keycode - Press any key to get the Javascript event keycode (HTML, CSS)
- Weather app - App to retrieve weather forecast for a particular location using open weather map and map box APIs (Node.js, Node Express, path, APIs, handlebars, HTML, forms)
- Cryptids operation-cage - (Python, Django, API)
- Reddit page clone - (React.js)
- Movie review page - (MERN fullstack)
- Space mission analysis - A numerical analysis(implemented using numerical algorithms - Matlab) of a satellite orbit, in order to characterize orbital trajectories and analyse orbital maneuvers. The thesis project investigates possible strategies to transfer a satellite between two orbits around the Earth. Different possibilities have been explored and set of maneuvers requiring minimum time and minimum change in velocity have been identified.

EDUCATION

Jan - April 2021
Liverpool, UK

Codenation Master Coding bootcamp

This course has enabled me to:

- Work with: Javascript, HTML, CSS, React.js, Node.js, MongoDB, Python, Django, MERN fullstack, Git, GitKraken, working with Boards and frameworks(Express)
- Complete and deploy a MERN fullstack project (Code Nation final project)
- Work under pressure in line with deadlines effectively
- Work in a team and develop communication skills

2015 - 2019
Milan, Italy

Politecnico Di Milano BE Aerospace Engineering

Partially completed. This course has enabled me to:

- Have an academic approach and learn fundamental concepts
- Be organised and efficient
- Some of the relevant modules: Automatic control, Atmospheric flight mechanics, Dynamics and Structures of aerospace systems, Principles of aerospace experimentation, Methods of technical representation, Air transport logistics and organization

2010 - 2015
Rome, Italy

Liceo scientifico Francesco D'Assisi

Science based high school Equivalent to A-levels:

- Maths(A) - Physics (B) - Art and technical drawing(A)
- Italian(A) - English(A) - French(A)

CONTACT

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INFO

LinkedIn

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GitHub

github.com/ggemcila

LANGUAGES

- English
- Italian
- Tamil
- French

INTERESTS

- I am passionate about God, people, stories. I love serving at my local church, mentoring kids, planning church events, leading book life groups, playing piano and singing in the choir.
- Learning about Graphic Design and User Experience Design by myself through books, to give a stylish and user-friendly look to my websites and apps.