

Tony Rodríguez

Software Engineer

CONTACT

- ✉ tony.rod.bcn@gmail.com
- 💻 tony-r.com
- 🐙 github.com/TonyRod116
- 📍 Barcelona, Spain

ABOUT ME

Creative-minded Software Engineer passionate about building digital experiences that blend technology and human value. After completing General Assembly's Software Engineering Bootcamp and Harvard's CS50 in AI with Python, I've focused on projects where innovation meets real-life impact — from AI-driven games to full-stack web platforms. My background as an entrepreneur and designer helps me bridge creativity and logic to deliver intuitive, scalable, and meaningful solutions.

SKILLS

Languages: JavaScript, Python, SQL, CSS3

Frameworks & Libraries: React, Node.js, Express, Django, MongoDB, PostgreSQL, Jsx, JWT

AI & Machine Learning: Python (NumPy, Pandas, Scikit-learn), Neural Networks, Deep Learning, NLP, Reinforcement Learning

Tools: Git, GitHub, Postman, REST APIs, Netlify, Heroku, Agile/Scrum, CLI/Unix, TDD, Cloudinary

Methodologies: Agile, Scrum, TDD, MVC Architecture

Soft Skills: Creativity & Innovation, Problem-Solving, Empathy, Collaboration & Teamwork, Adaptability, Project management, Leadership, Client Relations, Strategic Thinking, Negotiation & Conflict Resolution, Planning & Priorization, Time Management, Attention to Detail.

INTERESTS

I am passionate about projects that put people first: whether through technology, design, or community. I enjoy exploring how digital solutions can make everyday life easier and more enjoyable, while also taking interest in wellbeing, creativity, and personal growth. My goal is always to combine innovation with a genuine desire to improve people's lives.

General Assembly

Jun 2025 - Sep 2025

Software Engineer Graduate

- Completed immersive full-time training in full-stack web development.
- Built 4 projects (solo and group) applying agile workflows, Git version control, and modern stacks.

Selected Projects:

- TradeLab | React, Django, PostgreSQL – Trading backtesting platform integrating external data and optimized datasets; recognized by GA instructors as one of the best projects.
- Re-Lux | React, Node.js, MongoDB – Luxury second-hand e-commerce app with authentication, shopping cart, and image management.
- BuildApp | MEN stack – Platform connecting clients with construction professionals; implemented authentication, profiles, and responsive UI.
- Tetris | JJavaScript, HTML, CSS – Solo project recreating the classic game with DOM manipulation and JS logic.

Total Homes (@totalhomes.es)

2019-2025

Founder & CEO

- Founded and managed a boutique construction and renovation company, delivering high-quality residential projects.
- Led cross-functional teams, budgets, and timelines from concept to delivery.
- Known for creativity and client focus: translated customer needs into innovative, functional designs.
- Developed digital workflows to improve transparency and efficiency in projects.

Casex O.I., Barcelona (www.casex.es)

2003-2019

Project Manager

- Managed residential projects, budgets, and client relationships.
- Oversaw sales strategies, market studies, and new client acquisition.

EDUCATION

2025	CS50's Introduction to Artificial Intelligence with Python Harvard University
2025	Software Engineering Bootcamp General Assembly 420 hours
2019 - 2020	Certified Passive House Consultant & Tradesperson Energiehaus Arquitectos / PassivHaus Institut
2001 - 2003	Architecture (coursework completed) Universitat Internacional de Catalunya
1983 - 1996	High School Studies (Bilingual English/Spanish) & Proficiency Certificate American School of Barcelona