





Danny Demarco

Python Developer

 dannydemarco.com

 My Github

 My LinkedIn

 dannydemarco@protonmail.com

10 Second Summary

Work Experience:

Current Position:
Junior Python/Django Developer

Previous Position:
Electrician / Supervisor / Company Owner

Education:

MSc Computer Science
BEng Civil and Structural Engineering

Awards:

Global Future Leadership Award
University of Bath Scholarship

Tech Skills:

Python
Django - REST Framework
JavaScript
HTML5 - CSS3 - Bootstrap
Docker
Git - Github
Agile(Scrum)



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More projects on my website!

"Developer with a Difference: Practical, Technical, and Experienced"

Personal Profile

Originally trained as an electrician, I went on to build and manage a small electrical contracting company. Yearning a greater challenge, I followed a lifelong dream to complete an engineering degree and fell in love with programming along the way, naturally leading me into computer science. I am an enthusiastic and dedicated lifelong learner who thrives on solving challenges with a positive 'can-do' attitude, and believe this is why I am so well suited to my new career as a developer.

Work Experience

Junior Python/Django Developer 2022 - current
Vectare

Electrician/NICEIC Qualified Supervisor/Company Owner 2007 - 2015
Demarco Electrical Services

Electrician - Self Employed Contractor 2005 - 2007

Education

MSc Computer Science 2020 - September 2022
University of Bath

- Awarded MSc with Merit and Distinction in Python/Django project based thesis
- Awarded Global Future Leaders Scholarship on the basis of academic excellence, exceptional communication and interpersonal skills, and future leadership potential

*Python-Django Project Based Thesis (72%) | Programming Principles (79%)
Artificial Intelligence (72%) | Databases (71%) | Reinforcement Learning (71%)*

BEng Civil and Structural Engineering 2016 - 2019
University of Leeds

- Awarded 2:1 - Class II, Division I with Honours

Interdisciplinary Science Foundation Year 2014 - 2015
University of Leeds

- Distinction achieved in all modules (Mathematics, Physics, Chemistry)

Other Notable Qualifications

- Level 3 certificates in knowledge of electrical installation engineering
- Knowledge of installation and testing of photo-voltaic systems
- Level 3 testing and certification of electrical systems

Projects - Personal and University

- **Electrical Circuit Teaching App** - Ongoing personal project to develop a novel solution to reducing the learning curve in AC circuit theory for electricians and apprentices (*Python - Django - Django REST Framework - React - Bootstrap*)
- **Project Based Thesis** - Develop a novel inventory management solution as a dual access web application for use by the Bath University maintenance team. (*Python - Django - Bootstrap - PostgreSQL - AWS - Heroku*)
- **AI Sudoku Solver** - Develop a novel algorithm to solve Sudoku problems under tight time constraints (*Python - Numpy - AI - Algorithms*)
- **API** - Build an API in *Python* to connect and interact with *SQLite* databases
- **SRPN calculator** - Reverse engineer complex and unpredictable functionality without access to documentation or source code (*Python*)
- **AI bot game** - Tic-Tac-Toe with a minimax algorithm powered bot (*Python - Numpy*)