

# 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

### Tech Skills:

Python

Django - REST Framework

JavaScript

HTML5 - CSS3 - Bootstrap

Docker

Git - Github

Agile(Scrum)

### Education:

MSc Computer Science

BEng Civil and Structural Engineering

### Awards:

Global Future Leadership Award  
University of Bath Scholarship



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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*)