

Danny Demarco

Developer / Engineer



dannydemarco.com



My Github



My LinkedIn



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10 Second Summary

Work Experience:

Undertaking Career Change

Previous Position

Electrician / Supervisor / Company Owner

Education:

Graduating 09/2022

MSc Computer Science (Current)

BEng Civil and Structural Engineering

Awards:

Global Future Leadership Award

University of Bath Scholarship

Tech Skills:

Python

Django

SQL

Java

HTML - CSS - Bootstrap

JavaScript (Self-Taught Basics)

Git/Github

Agile



Scan to Learn More!

More projects on my website!

"A Graduate 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. Benefiting from a rich and varied background, I am excited to bring my unique and well-developed set of transferable skills to the fore in my next professional position as a developer or engineer.

Education

MSc Computer Science

2020 - September 2022

University of Bath

- Awarded Global Future Leaders Scholarship on the basis of academic excellence, exceptional communication and interpersonal skills, and future leadership potential
- Modules Include:

*Programming Principles (79%) | Databases (71%) | Artificial Intelligence (72%)
Reinforcement Learning (71%) | Software Engineering | Cybersecurity*

BEng Civil and Structural Engineering

2016 - 2019

University of Leeds

- Awarded 2:1 - Class II, Division I with Honours
- An Institution of Civil Engineers Accredited Program (ICE)

Interdisciplinary Science Foundation Year

2014 - 2015

University of Leeds

- Intensive program in Mathematics, Physics, Chemistry
- Distinction achieved in all modules

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

Work Experience

Electrician/NICEIC Qualified Supervisor/Company Owner

2007 - 2015

Demarco Electrical Services

Electrician - Self Employed Contractor

2005 - 2007

Various Contracts

Projects - Past and Present

- **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
- **Connect 4 Game** - Build an interactive game using OOP principles (*Java - OOP*)
- **AI bot game** - Tic-Tac-Toe with a minimax algorithm powered bot (*Python - Numpy*)

Other Tech Skills

Enrolled on Coursera AWS fundamentals - Google Sheets - Microsoft Office