Ellen Houghton

Trainee Level Software Developer

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annwyl21.github.io/

RECENT STUDY

Get into Tech Course 2023, 15-weeks online

1-week full-time intensive + 15 weeks of 2 evenings (class + tutorial)
January 2023 - April 2023

This bootcamp hosted by QA Ltd offered an introduction into programming covering Agile, Python, JavaScript, Git/ Github, MySQL, Postman, CSS, HTML and finished with our final group project, a website to compare 3 debt repayment approaches; stack, snowball and avalanche.

During the course I had free access to additional online training resources and took advantage of this opportunity to independently complete Fundamentals training including Linux Command Line and Serverless/ Cloud computing along with Information Security & Risk Management(laws, regulation & compliance), CyberSecurity and an Introduction to GDPR.

The course used Miro boards, Mimeo notes, Webex, and Zoom to engage 16 participants. In the final group project, I contributed to developing an online financial calculator. Using GitHub Projects, we effectively managed our team's progress and ensured project success.

GITHUB PROJECTS annwyl21.github.io/

Data Visualization - Heathrow Weather — *A heatmap to visualise historical climate warming trends*

I used open source historical weather station data from the MET office to create heatmaps using Python, MatPlotLib and Seaborn. I cleaned the data and generated several heatmaps.

Artificial Intelligence - Symptom Logger — *A web-based app to generate a summary of symptoms*

My app logs medical symptoms in a PostgreSQL database, sends a request pre-fixed with my meta prompt to the text-davinci-003 AI model, which returns a concise symptom summary, displayed alongside a symptom bubble plot, detailing date & number of symptoms and a pain measure.

Azure Cognitive Services API - Sentence Translation — *A flask service to translate a sentence into 5 different languages.*

I connected to an Azure Cognitive services API from and followed a Microsoft tutorial to build my own translation service.

SKILLS

Programming Language:
Python
Javascript
HTML, CSS
SQL & Regex

Version Control & Containerisation:
Git, Docker
Gitbash
Ubuntu
Github, Github Workflow
Docker hub

Database Management:
MySql
PostgreSQL

Frameworks & Libraries:
Pytest, Pextract
Flask, Bootstrap
Matplotlib
Pandas, Numpy
NLTK
Beautiful Soup

IDE's:
VSCode
Pycharm
Jupyter Notebook

API's & AI Engineering:
Postman
Azure Cognitive API
AI Prompt Engineering

EXPERIENCE

Parent & Homemaker

March 2009 - PRESENT

I raised my 2 children now aged 10 & 14.

NHS, London — *Speech & Language Therapist*

September 2005 - March 2009

I worked for 2 central London healthcare trusts, across clinics, hospitals and primary schools. I managed a large caseload, worked directly with patients, clinicians and parents to provide therapy targeting communication skills and trained teaching staff to support children with communication needs.

NHS, London — *Speech & Language Therapy Assistant*

August 2002 - August 2003

1 year contract. I created a system to track patient statistics within the department. I also created an image directory, and trained the staff to use scanners and associated software. The directory enabled therapists to cross reference patient needs with the relevant therapy resources.

Reed, London — *Administrative Temp*

March 2002 - August 2002

At BAA I wrote a fortnightly internal staff newsletter and at Hounslow Community College, I provided IT support for students using MicroSoft Office in the Computer Resource Suite.

Insightful, Berkshire — *Distributor Sales and Marketing*

December 1999 - February 2002

Budget Management and Events planning for MathSoft & S-Plus, Stats Software

Multex, London — *Distributor Sales and Marketing*

March 1999 - December 1999

Sales for access to online financial research provided by distributors via Multex, a platform for online financial research

EDUCATION

City University, London — *Post-graduate Diploma in Speech & Language Therapy*

September 2003 - August 2005

A 2-year, post-graduate diploma qualifying me to practice and formally register as a Speech & Language Therapist.

Greenwich University, London — *BSc Psychology*

September 1994 - July 1997

CERTIFICATES

Sky - Get into Tech 2023
Apr 2023

Agile Fundamentals
Jan 2023

Cloud Computing
Jan 2023

JavaScript for Beginners
Jan 2023

IT Security Fundamentals
Jan 2023

Python for Beginners
Feb 2023

Linux Command Line
Feb 2023

CODECADEMY CERTIFICATES

How to clean data with python
Feb 2022

Getting started with natural language processing
Jan 2022

Visualise data with python
Jan 2022

Learn python 3, Dec 2021

LANGUAGES

English (native speaker)

Basic Spanish
860+ day-streak on Duolingo