

# Ellen Houghton

Trainee Level Software Developer

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[annwyl21.github.io/](https://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/](https://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

Python

Flask

Pytest

Pandas & Data Visualisation

AI Prompt Engineering

RegEx

Git/ GitHub/ DockerHub

MySQL & PostgreSQL

HTML, CSS & JavaScript

Linux Commands

Miro, Mimeo, Webex, Zoom

## 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

## 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

## LANGUAGES

English (native speaker)

Basic Spanish

860+ day-streak on Duolingo