Ellen Houghton

Trainee Level Junior Software Developer
based in Central London, UK

I live in Westminster,
London, W2

ellen.a.ash@gmail.com
annwyl21.github.io/
docker hub - annwyl21

PERSONAL PROFILE

Graduating JustIT's **Digital Skills Bootcamp** in September 2023, I have created a **Python Microservice** providing endpoints to an SQLite database for CRUD operations and built **JavaScript**-based websites. I also use **GitHub** extensively; for **version control**, project tracking, I have shared a gist and used Actions for CI/CD in my projects. My projects are available on **Docker** & **Azure** in containers, on **render** and **replit**, and my portfolio is on GitHub Pages.

GITHUB PROJECTS annwyl21.github.io/

JavaScript, local Storage, html, css, debugging
BrewQueue - To Do List

An order management system created using JavaScript. I successfully debugged critical issues, including an off-by-1 error and unpredictable card creation anomalies, using browser debugging tools to pinpoint a variable declaration oversight that JavaScript gracefully handled without explicit error, a contrast to typical Python behaviour.

Python Coding, problem solving and TDD (Pytest, Pextract)
Yahtzee - *Game written using test driven development*

I developed my yahtzee game following the principles of TDD that I have been learning in my weekly coding club with Ladies of Code. I have evidenced my progress with screenshots and github commit history.

SQL (PostGreSQL), AI Prompt Engineering, Flask, Python

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

Python Microservice — Python, CRUD, RESTfulAPI
RestAPI with 2 example clients; Jupyter Notebook and flask app web GUI

My microservice, available on render, can communicate with any client using json via the POST, PATCH, DELETE endpoints, connecting to an SQLite Database containing Film Data. The jupyter notebook uses Matplotlib to graph the database. This was my extension to a bootcamp project to build and deploy a python app, this is available on replit.

SKILLS

Programming:
Python
JavaScript, Regex
HTML, CSS
SQL

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

Database Management:
MySql & Workbench
PostgreSQL
MongoDB & Compass

Frameworks & Libraries:
Pytest, Pextract
Jest
Flask, Bootstrap
Matplotlib, Pandas, Numpy
NLTK, BS4

IDE's:
VSCode
Pycharm
Jupyter Notebook

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

RECENT STUDY to complete Career Relaunch into Tech

Just IT Bootcamp 2023

July 2023 - September2023

- 12-weeks
- daily
- Individual projects targeting fundamentals of web and software development

Get into Tech Course 2023

January 2023 - April 2023

- 15-weeks
- weekly evening classes
- Team Projects targeting soft skills and collaboration on github

EXPERIENCE

Career Break

March 2009 - PRESENT

- cultivated skills in time management, organisation and coordination

NHS, London — *Speech & Language Therapist*

September 2005 - March 2009

- successfully managed a caseload of 200+ children with therapy needs, ensuring timely and effective care
- led training sessions for 30+ school staff, imparting essential skills for managing children with special communication needs in classrooms
- worked for 2 central London healthcare trusts, across clinics, hospitals and primary schools
- worked directly with patients, clinicians and parents
- as part of a multidisciplinary care team, I collaboratively reviewed and determined care approaches for children, prioritising their unique needs ensuring the best possible outcome for each child

ADDITIONAL EXPERIENCE

NHS, London — *Speech & Language Therapy Assistant*

August 2002 - August 2003

Reed, London — *Administrative Temp*

March 2002 - August 2002

Insightful, Berkshire — *Distributor Sales and Marketing*

December 1999 - February 2002

CERTIFICATES

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

EDUCATION

PG Dip with Merit
Speech & Language Therapy

2005

City University, London

BSc Psychology

1997

Greenwich University, London