






Isaac PARKER

Computer Science Graduate

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Motivated computer science graduate looking to leverage solid programming skills and knowledge attained through academic coursework into a junior software engineering role. A passion to help contribute to projects, work within talented groups, and develop towards enhancing technical expertise in a fast-paced dynamic environment. Interested in creating efficient, scalable, and user-focused software solutions that can tackle real-world challenges.

SKILLS

Programming Languages	Python, Java, HTML/CSS
Tools	GitHub, VS, VS Code, Pycharm, IntelliJ, Android Studio
Cloud Providers	AWS, Azure, Firebase
OS	Windows, Linux

EXPERIENCE

- | | |
|--------------|---|
| April 2024 | Data Visualisation of Climate Change, PYTHON, UK <ul style="list-style-type: none">➤ Dissertation based on visualising climate change data using Python libraries and researching the data based off of graphs created. Has a basic UI using Tkinter. <div>Python Plotly Pandas Tkinter</div> |
| March 2024 | AI Chatbot, PYTHON, UK <ul style="list-style-type: none">➤ A project creating a chatbot that implements AI techniques. The topic of the chatbot was based around fruits and was tasked with implementing conversational capabilities (pattern-based and similarity-based) using AIML, and lemmatisation, tf/idf, and cosine similarity methods. Also adding rule-based logical reasoning using FOL knowledgebase and NLTK library which could be updated or queried. And finally, image classification capabilities training a CNN model to detect images of fruit. <div>Python AIML NLP Similarity Methods NLTK FOL CNN</div> |
| March 2024 | Mobile Applications, JAVA, UK <ul style="list-style-type: none">➤ Tasked with creating a mobile application of my choice and decided to create a “ToDoList” application which would allow users to create tasks, modify tasks, and delete them. Developed with Java using Android Studio <div>Java Android Studio Firebase</div> |
| March 2022 | Front-end Web Design, HTML/CSS, UK <ul style="list-style-type: none">➤ Developed HTML and CSS code for a group project for a smart refrigerator application. <div>HTML CSS GitHub Teamwork</div> |
| January 2024 | Developing a RESTful Web Service , PYTHON, UK <ul style="list-style-type: none">➤ A project to create an application named “Travel Buddy Finder”. This involved implementing a RESTful web service, designed to run on a local or remote server using frameworks like Spring Boot. Each action in the application is exposed as a REST method, and communication between the users and the server is done via JSON. Once this program was completed, I was tasked with cloud migration and deployed the program on Azure’s Virtual Machine resource. Once this was completed testing was conducted using Locust.➤ GitHub Link: https://github.com/IsaacPrkr/TripProject-Travel-Buddy-App <div>Python RESTful Framework JSON Azure Locust</div> |

LANGUAGES

English ● ● ● ● ●

STRENGTHS

- Teamwork, Problem Solving, Communication, Adaptability, Fast Learner, Dedicated, Willingness to Learn

EDUCATION

2018-2020	Information Technology Course at Macclesfield College, Cheshire
2020-2024	Graduated Computer Science at Nottingham-Trent University, Nottingham

Interests

TECHNOLOGY:	Keeping in touch with the tech world, Working on personal projects(Currently learning more Java)
OUTDOOR ACTIVITIES:	Hiking, Bouldering, Football, Basketball
ARTS/CULTURE:	Drawing, Visiting different towns/cities
GAME INDUSTRY:	Learning more about Game Development