

# CHAD GARRATT

## Software Developer

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📍 Littlehampton, United Kingdom

## OBJECTIVE

To secure a challenging position that utilises my years of experience while providing opportunities to develop my knowledge and grow professionally.

## EXPERIENCE

### Computer Science Tutor

University of Brighton

📅 12/2021 - 05/2022 📍 Brighton, UK

I supported 1st, 2nd and 3rd year students struggling with module content through weekly online tutor sessions.

- Developed the skills to breakdown problems into understandable solutions.
- Improved my verbal communication skills.
- Established a safe space, where students felt comfortable being honest.

### Web Developer (Freelance)

📅 2022 - Ongoing

- Ensured project quality by working closely with clients.
- Utilised my knowledge of HTML, CSS and JS to build responsive web pages.
- Implemented a database infrastructure.

### Sales Assistant

Strand Fish and Chips

📅 07/2017 - 08/2019 📍 Worthing, UK

I served customers at a high-traffic location, independently handling front of house services.

- Learned the perseverance and dedication needed to excel in a job.
- Entrusted to train two new team members on company policies.
- Undertook the responsibility of opening shop.

## PROGRAMMING PROJECTS

### Facial and Speech Emotion Classification

🔗 <https://github.com/ChadG-202/Emotion-Classification-using-audio-and-image-data>  
Using Python and Tensorflow to develop a program which classifies human emotion through speech and facial data. This application trains on an individual and tailors the applications chatbot reply to the predicted emotion of the user.

### Dijkstra's, A\* and BFS Pathfinding

🔗 <https://github.com/ChadG-202/Pathfinding>  
An interactive pygame environment which displays how the Dijkstra's, A\* and BFS pathfinding algorithms search through mazes drawn by an operator. The algorithm searches for an endpoint in an unknown grid environment, where walls can be placed to create unique paths.

### Student Marketplace

🔗 <https://github.com/ChadG-202/StudentMarketplace>  
Using SQL and PHP to develop a marketplace website which handles customers selling and buying items. Clients' accounts and details are securely saved through encryption.

### Hashtable

🔗 <https://github.com/ChadG-202/Hashtable>  
An optimized hashtable implemented in Java which uses recursion, resizing, hashing and bit shifting to improve its time cost.

## PROGRAMMING

### Python

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### Java

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### HTML & CSS

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### JavaScript

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### SQL

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### C#

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## SKILLS

Machine Learning & AI

Linux

MySQL

Data Structures

Web Development

Git

## STRENGTHS

🗨️ Oral and Written Communication

✓ Reliable and Consistent

📖 Committed to Lifelong Learning

👤 Team Building

## FIND ME ONLINE

🐙 GitHub  
<https://github.com/ChadG-202>

in LinkedIn  
<https://www.linkedin.com/in/chadgarratt>

🌐 Portfolio  
<http://chadgarratt.epizy.com/Portfolio>

## EDUCATION

### BSc (Hons) Computer Science with Artificial Intelligence

University of Brighton

📅 2019 - 2022 📍 Brighton, UK

- Expected 1st Class Degree

## CERTIFICATION

### FreeCodeCamp Certification

Scientific Computing with Python

### FreeCodeCamp Certification

Machine Learning with Python

### Grade 6 Trumpet

Trinity College London