Charles Griffiths

Citizenship: British ▪

Location
Surbiton, Greater London, KT6

Contact

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Portfolio: https://charleslgriffiths.github.io | **GitHub:** www.github.com/charleslgriffiths

Technologies

Programming: Python, Java, C++, C, C#, R, Pascal

Frontend: HTML, CSS, JavaScript, React Native (Expo), AJAX

Backend: Flask, PostgreSQL, SQLite, MySQL, Postman

Developer Tools & Practices: Git, Apache Lucene, Agile, JUnit, Jupyter Notebook, Google Colab

Work Experience

Icon Solutions, Tuition House, 27/37 St George's Rd, London, SW19 4EU | Work Experience | July 2024

I gained hands-on exposure to the company's operations. Participated in coding exercises with assistance from Developers, observed agile daily meetings, and engaged in discussions with many knowledgeable professionals. This helped me understand industry practices as well as my employability and interview preparation.

schuh, Westgate Shopping Centre, Oxford, OX1 1PE | Part-Time Sales Assistant & Stockroom | November 2022 – April 2023 & Oct 2023 – Mar 2025 (1 year, 11 months)

Treloar's School & College, Powell Drive, Holybourne, Alton, GU34 4GL | Part-Time Assistant IT Technician | Nov 2021 – Feb 2022 (4 months)

I worked alongside experienced IT technicians, assisting with troubleshooting hardware issues and providing support to students and staff. This position deepened my understanding of IT infrastructure, computer maintenance and customer service within an educational setting.

Petersham Nurseries Teahouse, Off Church Lane, Petersham Rd, Richmond, TW10 7AB | Full-Time Waiter | Oct 2021 – July 2023 (1 year, 10 months)

White Truffle Events, Froyle Park, Ryebridge Ln, Alton, GU34 4LA | Part-Time Kitchen Porter | October 2019 – August 2021 (1 year, 11 months)

Education

Oxford Brookes University - BSc (Hons) Computer Science (2022/2025):

- **Result**: 2:1 (Upper Second-Class Honors), **GPA**: 3.67, **Average Grade**: 67%
- Nominated for Oxford Brookes Tech Show, 1 of 18 on the course for my dissertation project "SenseFit".
- 3rd Year Modules: Artificial Intelligence, Machine Learning, Software Development, Computing Project (Dissertation), Cloud Computing & IoT, Principles of Secure OS, Advanced OOP.

Pre-University (2014/2021):
  HSDC Alton College - A-Level (2019/2021): Cs in Computer Science, Law, and Psychology
  Eggar's School - GCSE (2014/2019): 8 GCSEs

Projects & Certifications

Key Projects (see Portfolio webpage for more information)

- SenseFit: Full-Stack (React Native, Expo, Flask, PostgreSQL, Fitbit Web API) Mobile App using Machine Learning (Random Forest + XGBoost) to Predict the Risk of Injury from Wearables (Individual Project)
- ChatAdvisor: AI-Powered Student Support Chatbot (Java, Apache Lucene, Microsoft Azure AI, OpenAI) leveraging Natural Language Processing (NLP) Techniques to Provide Summarized Information (Group Project)

Certifications

- Google Cloud Skills Boosts: Google Cloud Essentials, Generative AI Fundamentals
- AWS: Foundations of Prompt Engineering
- iDEA Foundation: Bronze Award