

Charlie Leopard

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Education & Qualifications

MSc Advanced Computer Science, Newcastle University

Oct 2020 – Sept 2021

- Modules include: Advanced Programming, Internet of Things, Cloud Computing, Big Data Analytics, Security Tools, Dependable Systems, and Model-Based System Engineering

BSc (Hons) Computer Science, Newcastle University

Sept 2017 – July 2020

- Grade: 1st Class
- Dissertation: Development of custom assistive technology for Dementia
- Modules include: HCI, Ubiquitous Computing, Web Development, Mobile Development, Algorithms, Database Technologies, Reliability & Fault Tolerance, System & Network Security, and Real-Time & Cyber-Physical Systems

IT & Game Dev Extended Diploma, Hertford Regional College

Sept 2015 – July 2017

- Grade: Distinction*, Distinction*, Distinction

Personal Projects

MyMemory App

React-Native | Firebase | Node.js

2020

- Designed and developed an app using a user-centred approach by working with caregivers of Alzheimer's patients
- Stores input in a real-time database and formats the user's photos and input for accessibility to enhance reminiscence and create personal quizzes to assist users with recalling information and relationships

Twitter Bot

Node.js | Twitter API | Reddit API | Firebase

2020

- Built a Twitter bot in Node.js to experiment with REST APIs, web-scraping, and bot building – deployed using Heroku
- The bot tweets the top post of specified subreddits using the Reddit API, tweets a new plant every day from web-scraped data (stored using Firebase), retweets every few hours, and responds to activity involving the bot – @DailyPlantBot

Portfolio Website

React | SCSS | Node.js

2020

- Built a responsive website in React and SCSS and hosted on Firebase, made for maintainability and reusability. This acts as my personal website; you can see more here: [Charlieleopard.dev](https://charlieleopard.dev)

Technical Skills

Languages

JavaScript, Java, HTML, CSS, SQL, C

Frameworks

React, React Native, Node.js, SASS/LESS, JUnit, Bootstrap

Other Tools & Software

UML, Google Firebase, Heroku, IntelliJ, Eclipse, Git, Visual Studio, Android Studio, REST APIs, Test-Driven Development, Agile Development, LAMP Stack

Employment & Volunteering

Bar Staff at Beeronomy Newcastle

Dec 2018 – Jan 2020

- Effectively coordinated and communicated with colleagues to maintain smooth service under pressure, supervised and mentored new staff in the business's operations, took initiative to carry out tasks during non-peak hours

Committee Member of Craft Beer & Cider Society

May 2018 – May 2019

- Organised weekly events and trips around the North-East, promoted the society, and ensured safety and inclusivity

Enfield Dig-IT Solutions Technician

Oct 2016 – Oct 2016

- Applied my knowledge to complete task and communicated clearly with customers about technical issues

Enfield Food Bank Volunteer

July 2015 – Sept 2015

- Logged and organised inventories, dispatched packages to a specification of people's needs as part of a team

National Citizen Service & Head-Start

June 2015 – Aug 2015

- Built on interpersonal skills through workshops, pitched as a team to council members for funding, developed key employability skills during several masterclasses at City Hall, London

Other Hobbies

Succulents/Houseplants | Craft beer & Mixology | Computing & Student Brewing Societies | Video Games | Travelling | Learning new things

See more of me on my website: <https://charlieleopard.dev/>