

## SUMMARY

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As a Computer Science student at the University of Exeter, I've developed full-stack applications like GradGig and contributed to sustainability projects like Sustain-A-Meal. My experience as a Programming Instructor and Workshop Leader has honed my leadership and collaboration skills, driven by a passion for learning, technology, and continuous improvement. For further details in any categories below, see my website by clicking the heading.

## EDUCATION

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- **University of Exeter** Exeter, Devon  
*BSc Computer Science ; Predicted result: 1st* *Sept. 2022 – May. 2025*

## EXPERIENCE

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- **Code Ninjas** Chandlers Ford, Hampshire  
*Java-Script Programming Instructor* *Oct 2020 - may 2022*
  - **Developed 10+ Java/Java-Script curriculum modules:** Created and refined over 10 comprehensive lesson plans focused on key software development practices, including data structures, algorithms, and software design patterns.
  - **Guided software development projects :** Assisted students in applying software engineering principles such as debugging, version control, and iterative development to their coding projects, fostering a hands-on understanding of the software development lifecycle..
- **ExCode** Exeter, Devon  
*Python Workshop Leader* *Jan 2022 - Present*
  - **Instructed 30+ university students in Python:**  
Led workshops for classes of up to 30 university students, teaching Python programming from basic syntax to advanced concepts like object-oriented programming and algorithm design.
  - **Developed and implemented curriculum:**  
Designed and refined educational materials and lesson plans focused on essential software development practices, including object-oriented programming, data structures, and algorithm design.

## PROJECTS

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- **Brain Tumour Detection Using ML — Dissertation Project:** My final year project will consist of using keras and tensor flow libraries to create a neural network to detect brain tumour growth.
- **Leftover Chef — Hackathon entry:**
  - Secured third place at Google Dev Fest with "LeftOver Chef," a web app designed to reduce food waste.
  - Utilised a RESTful API and SQLite3 in Python for dynamic ingredient tracking and cost-saving features.
  - Hosted on AWS with a JavaScript and Bootstrap interface to enhance usability and accessibility.
- **Sustain-A-Meal — Group Software Dev Project:**
  - Enhanced version of Left-Over Chef, integrating OpenAI API to generate recipes based on food waste ingredients.
  - Expanded to a full-stack web application with gamified features, including leaderboards and point systems for student competitions.
  - Contributed to the university's sustainability goals by promoting net-neutral initiatives.
- **GradGig — Full Stack Web Application:**
  - Developed and deployed a job board using Next.js, MongoDB, and Vercel.
  - Integrated WorkOS for user authentication and implemented full CRUD operations.
  - Included features like company creation, job posting, and S3 image uploads.

## PROGRAMMING SKILLS

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- **Languages:** Python, Javascript, TypeScript, Java     **Technologies:** AWS, Azure VM, React, Next.JS, Flask