

# LEON CHIPCHASE

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## ACADEMIC AND WORK EXPERIENCE

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### ESG-X - Data Extraction System

September 2022 - April 2023

Third Year Dissertation

*University of Warwick*

- Built a system that, given a company sustainability report, extracts numerical values for defined Environmental key performance indicators. A concise report on a company's environmental impact is produced using the extracted data, and a ranking for environmental performance is made.
- Built using Python - Flask, PostgreSQL, and React

### Summer Internship at Click Databases

July 2021 - September 2021

Full Stack Developer Intern

*Click Databases*

- Building a web application to keep track of software releases made by Click Databases.
- Learnt about Agile software development, developing software across the full software stack and product lifecycle. From requirements design to implementation to user acceptance testing. Built using C#, SQL-Server.

### Work Experience at Schlumberger PLC

July 2018

Intern

*Buckingham Gate, London*

- Created economic models based on current oil wells and learned about petrophysical surveying methods on wells.
- Learnt presentation skills, gaining experience from industry professionals and networking.

### Brighton Silver

September 2016 - Present

Purchasing Lead

*Kensington Gardens, Brighton*

- Purchasing lead - identifying new products and working with suppliers to minimize costs and improve supply chain efficiency.
- Website Manager - managing and maintaining the Shopify website to ensure excellent UX and high conversion rates.
- Software Developer - developing a system to streamline the ordering process and increase stock management (work in progress).

## EDUCATION

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### Integrated Masters in Computer Science - MEng, University of Warwick, Warwickshire

2020 - 2024

Working to a First

- **Notable Modules:** Web Development Technologies - 84%, Mathematics for Computer Scientists - 83%, Advanced Databases - 79%, Neural computing - 78%, Logic and Verification - 76%, Artificial Intelligence 75%, Software Engineering - 72%.
- **Notable Projects:** Malicious Packet Detector - 92%, TILs Detection with Convolutional Neural Networks (CNNs) - 91%, Accent Recognition (ML Model) - 87%, Hadoop/HIVE Big Data Analysis - 87%, Protein Expression Detection in Tumours using CNNs 84%, Third Year Dissertation - 78%, Prediction of Household Incomes based on Disease Mortality Rates - 76%.

### Secondary Education, Blatchington Mill School and BHASVIC, Brighton and Hove

2013 - 2020

- A-Levels : Mathematics - A\*, Further Mathematics - A\*, Physics - A\*, Computer Science - A\*
- GCSE's : 9 × A\*, 1 × A, including English Literature and Language and Mathematics - A\*.

## SKILLS AND INTERESTS

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**Soft Skills** - Team-leading, public speaking, Agile project management, requirements elicitation, teaching/coaching.

**Technical Skills** - Experienced in Python (Neural Networks & CNNs, Machine Learning, AI), C#, R, SQL, Java, JavaScript, React and Full Stack Development. Proficient in C, Excel, Google Analytics, Google Ads, and Shopify.

**Languages** - English - Native, German - Fluent, French - Conversational (self-taught).

**Interests** - Skiing (competing at Freestyle and Racing nationals), SCUBA Diving (PADI open water diver), Mountain Biking.

## ACHIEVEMENTS AND VOLUNTARY WORK

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**Captain, University of Warwick's Skiing and Snowboarding Club** - (2022-2024) - Lead role in organising and managing skiing-related events, including running training sessions, organising and partaking in competitions, and the organisation of a domestic trip for 50 people.

**Creating a website aimed at assisting Financial Security** - (2021-2024) - Sole developer and creator of a website ([afreedominfinance.com](https://afreedominfinance.com)) aimed at teaching fundamental concepts for financial security, such as credit, compound interest and the importance of pensions.

**Black Belt in Karate** - (2010 - 2017) - Achieved black belt by age 14, and assisted in teaching lessons to groups of sizes 20 - 50 with students of ages 4 - 16 at SAMA Karate.