Barnaby Clarke

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Personal Details:
October 30, 1996 · London, UK · British
Male

Profile

Current independent student, recently completed an in depth course for Python (certificate link at bottom) and shifting to SQL using online learning resource Udemy. Created numerous individual projects using: Flask frameworks and APIs, along with website design with HTML, CSS and JavaScript and deployment with Azure and Heroku; web-scraping; GUI apps with Tkinter; and SQLAlchemy databases for website users. Seeking a position encompassing Software Engineering, Software Development and back-end developer roles to take advantage of my strong mathematical and problem-solving skills and STEM focused education. Striving to strengthen coding and development knowledge, with a history of determination, perfectionism and an eye for detail. **Areas of knowledge & Interests include:**

- Modelling
- Problem-solving
- Statistics
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- Mathematics
- Data Analytics
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- Data Science
- Programming
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EDUCATION

Bachelor of Science (Hons) in Physics with Astrophysics | University of Exeter, Devon, UK, 2018

Class: 2:1

A-levels | Sutton Valence School, Kent, UK, 2015

A2 level: Maths A, Physics B, Geography B; AS level: Business Studies B

Technical Proficiencies: Python, SQL, HTML, CSS, JavaScript, C, LaTeX, Octave, R

EXPERIENCE HIGHLIGHTS

Reserving Actuary Role, Lancashire Insurance & Cathedral Insurance, London, UK, June 2019 - June 2022

Spent 3 years working in the Reserving Team following a long restructure of the Actuarial department reporting to the Head of Reserving, initially as just a team of two, developing and adjusting the reserving process and having a part in the process redesign. Responsibilities included, running key processes for the Reserving process, being involved with regulators and auditors, using a combination of **SQL**, Microsoft **Excel** & **Access**, **Power BI**, and helping take on a full automation project of many of the main processes using **ResQ** - a powerful modelling software, and eventually full responsibility of the software for the team. Experienced the industry and an Actuary's key role within it and the increasing dependency on a strong Actuarial team, and the demands and expectations that come with it.

Student Internship, AXA, Rosenberg Investment Management, London, UK, 2017

Shadowed Investment Team as they educated clients on financial problem-solving, statistical process control, data analytics, financial calculations, reporting, price forwards curves (PFC), and regulatory compliance. Collaborated with data scientists and developers to learn about systematic equity trading platforms and trading systems based on machine learning, chart patterns, risks management, and portfolio management.

Student Internship, Lancashire Insurance & Cathedral Insurance, London, UK, 2016

Studied insurance industry under guidance of Group Actuary and Chief Underwriter Cathedral. Attended training sessions in each department and specialist underwriting classes in aviation and terrorism. Observed Brokers as they interacted with clients at Lloyd's booths. Gained interest in the actuary role.

Student Internship, Aquis Exch. Share Trading, London, UK, 2015

Gained knowledge on start-up technology companies and their role as important intermediaries in financial markets. Grew understanding of how small, growing businesses are managed. Mentored by Chief Algorithm Writer and expanded Operations Department knowledge.

PROFESSIONAL INVOLVEMENT

Teaching Course, Canadian Association of Snowboard Instructors: Level 1.

Programming Course, Udemy, 100 Days of Code: The Complete Python Pro Bootcamp for 2023: [Click for Certificate](#).