

Alexander Earl

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Personal Statement:

I am a passionate and highly-motivated Computer Science graduate from the Russell Group university Queen Mary. Throughout my academic journey, I refined my skills in various paradigms and frameworks, both independently and collaborative environments. I am currently pursuing graduate software development opportunities, with the goal of applying my knowledge and enthusiasm to make meaningful contributions to real-world innovative projects.

Education:

Queen Mary University of London

Sep. 2018 – Jun. 2022

- Bachelor of Science with Honours - Computer Science: *First Class (77%)*
 - 1 of only 4 students out of a cohort of 252 to achieve a perfect grade of 100% for the Fundamentals of Web Technology module.
 - Relevant modules: *Software Engineering, Object-Oriented Programming, Algorithms and Data Structures, Database Systems, Procedural Programming, Web Programming, Software Engineering Project, Further Object-Oriented Programming.*

Haberdashers' Crayford Academy – Sixth Form

Sep. 2015 – Jun. 2018

- GCE Advanced Level
 - Computer Science
 - Information Communication Technology
 - Business Studies

Haberdashers' Crayford Academy

Sep. 2010 – Jun. 2015

- GCSE: 7 subjects including Computing, Information Communication Technology, Mathematics and English Language.
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Experience:

Full-Stack Java Trainee: mthree

4th Mar. 2024 – 19th Apr. 2024

Developed Java applications following the MVC architecture, integrating unit tests with JUnit, handling exceptions, and implementing dependency injection. This knowledge extended to SQL database persistence using JdbcTemplate and transformation into a RESTful service using Spring Web.

Received comprehensive financial training from Feyzullah Egriboyun, covering Derivatives, Equity Trading, Financial Markets, Fixed Income, Currency, Foreign Exchange (FX), Treasury, Regulation, and Risk.

Computer Science and Python Tutor: Tutor Hunt

Jan. 2024 – May. 2024

Surpassed over 45 hours of tutoring GCSE Computer Science and Python programming, both online and in-person.

Technology Internship Experience: Bright Network

Jul. 2021

A three-day programme consisting of completing Python programming tasks from Google as well as engaging in interesting talks from Amazon and Vodafone.

Systems Administrator (Experience Placement): Burstwood Primary School

Oct. 2016

Assisted the Head of IT in overseeing the entire IT network and resolved technical difficulties as they occurred across the campus.

Projects:

AlexanderEarl.com

2024

A portfolio website that highlights my skills, projects, education, and certifications, providing a comprehensive view of my professional journey and accomplishments.

Technical Skills: *Python, HTML, CSS, Bootstrap, JavaScript*

Soft Skills: *Creativity, Communication, Organisation.*

Health with Friends

2022

Health and fitness web application with social media features in order to address the social isolation and physical health decline resulting from the COVID-19 epidemic.

Technical Skills: *Django, Vue.js, Python, HTML, CSS, Bootstrap, JavaScript*

Soft Skills: *Report Writing, Presentation Skills, Time Management*

Smartphone Weather Application

2021

A group developed weather application aimed at enhancing safety within the roofing industry. Displays real-time weather conditions based on GPS location or user-entered postcode.

Technical Skills: *Preact, Git, External APIs*

Soft Skills: *Teamwork, Report Writing, Presentation Skills, Leadership*

FDM Employee Portal System

2021

Group developed web-based employee portal system for FDM Group. The system featured support ticket submission, an employee directory, and organisational announcements.

Technical Skills: *React, Firebase, Git, UML Modelling*

Soft Skills: *Teamwork, Report Writing, Presentation Skills, Leadership, Problem Solving*

Survive

2020

Utilised object-oriented programming principles and the Model-view-controller (MVC) design pattern for a text-based role-playing game with a graphical user interface (GUI).

Technical Skills: *Java, JPanel, OOP*

Soft Skills: *Report Writing, Time Management*

Crook Log Membership System

2018

Membership system enabling members to book facilities and classes. Implemented features allowing new members to sign up for various membership options at the leisure centre.

Technical Skills: *Python, Tkinter, MySQL, MySQL Workbench*

Soft Skills: *Report Writing, Time Management*

Skills:

Languages: *Python, Java, SQL, HTML & CSS, JavaScript, Scala.*

Frameworks/Libraries: *Django, JUnit, Preact, Tkinter, JPanel, React, Vue.js, Bootstrap.*

Database and Tools: *MySQL, MySQL Workbench, Firebase, Git, UML Modelling, APIs.*

Soft Skills: *Problem Solving, Communication (Verbal & Written), Time Management, Attention to Detail.*

Certificates:

- mthree Academy Programme – *Software Development using Java* (April 2024)
- JP Morgan Chase & Co: *Software Engineering Virtual Experience* (August 2023)
- Codecademy:
 - *Learn Python 3* (January 2024)
 - *Learn Git & GitHub* (July 2023)
 - *Learn Bash Scripting* (July 2023)
 - *Learn Bootstrap* (July 2023)
 - *Learn the Command Line* (June 2023)