

# Matthew James Palmer

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## Education

### BSc (Hons) Computer Science

King's College London (KCL)

September 2021 - May 2024

Notable Modules: Programming Practice and Applications (66%), Data Structures & Algorithms (88%), Introduction to Professional Practice (88%), Computer Systems (75%), Introduction to AI (89%), Software Engineering Group Project (87%), Practical Experiences of Programming (83%)

### A Levels

Leyton Sixth Form College

September 2019 - May 2021

- A\*AA in Mathematics, Computer Science, Economics
- B AS Level Grade in Further Mathematics

## Projects

### Greggor Financial Companion – Python (Django) and JavaScript – ([Repository](#))

- Worked in a team of 8 to develop a web application which allows users to track their finances, includes categories, accounts, user groups, targets, financial quizzes, and more.
- Responsible for developing log in, “forgot your password” section, user groups and other tasks. User groups are user-made groups where users can be a part of a group and compete based on how many targets they’ve met.
- Used industry standard code formatting, Trello organisation, and git commit messages alongside testing which had full code coverage, using the scrum development process.
- Took part in and had the opportunity to lead team meetings where tasks for the week, workload, assignment, planning, and more details of the project were discussed.

### AirBnB Property Viewer – Java with Javafx & Git

- Worked in a team of 4 to develop a GUI based software application which displayed AirBnB properties read from an excel file. Test cases used to ensure software worked as intended.
- An interactive map made up of hexagons of London was used to represent London boroughs, properties in a certain borough were displayed when clicked.
- Responsible for designing and implementing a statistics GUI panel and algorithms to calculate these statistics.
- Some statistics included: Average Reviews per Property, Standard Deviation of Price, Most Expensive Borough, and more.

### Salon Appointment Booking System – PHP, HTML, CSS, & SQL – ([Repository](#))

- Developed a website which holds an appointment booking system for a local salon business, using an SQL Database.
- Includes site functionality which allows users to log in/out, control their personal details, and manage their appointments. Also, staff members can log in/out, control all the appointments on the system, manage their own details, and more.
- Had strong communication with the client and customers to address their requirements and needs.

### Weather Discord Bot – Python – ([Repository](#))

- Developed and designed a discord bot application that fetches weather information from a weather RESTFUL API to allow users to receive up to date weather information.
- Provides an interactive experience for users to gain weather information.

More information available on my [Portfolio Website](#)

## Certifications

- **JP Morgan Chase & Co** – Software Engineering Virtual Experience
- **King's College London** – Professional Skills for a Globalised World
- **Ofqual** – Open Awards Entry Level Award in Employability and Professional Development (Entry 3) (RQF)

## Experience

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### Teaching Assistant

King's College London

September 2023 – Present

- Leading small group tutorial (seminar) sessions for undergraduate students without lecturer supervision in classroom and computer lab-based environments.
- Ensuring students understand the module content, and complete any activities assigned by the module leader.
- Contributing to the success of modules, the overall course, and the department.
- Responsible for running sessions for the software engineering group project module, teaching important software engineering constructs, and the programming language design paradigms module, ensuring students have a solid understanding of different programming paradigms.

### Internship Experience UK 2023 - Technology

Bright Network

June 2023

- Worked on a brief set out by Lloyd's Banking Group to help Small to Medium Enterprises meet their net zero emission goals.
- Came up with an idea for a forums-based application to allow business owners to find information regarding how to achieve this target.
- Attended talks from companies such as Lloyd's Banking Group, Google, Amazon, PwC, P&G, Bloomberg, Reply, UBS, Dyson, and more, which covered topics such as teamwork, networking, typical day as a software engineer, interview tips, commercial awareness, public speaking, graduate experiences, and more.

### Computer Science Student Mentor

Leyton Sixth Form College, London

September 2021 – October 2022

- Worked closely with College A level students, mentoring, and advising them in all aspects of their coursework, and some coverage of the A level Computer Science specification.
- Use of PHP, HTML, CSS, and Python on a regular basis, with a focus on web development, database systems, 3D game development, and facial recognition systems using AI.
- Taught students about the design and documentation process of their coursework throughout its development, so that it's of an industry standard.

### Beyond Programme Mentee

Barclay's Bank, London

January – March 2020

- Mentorship programme ran by Barclay's bank for Students at the Sixth Form level. Was assigned a mentor that worked in the bank in the data science field.
- Allowed me to develop my personal skills: networking, interview practise, etc. through networking events and workshops.
- Gave me an insight into the data industry when speaking to my mentor about his day-to-day activities at the workplace; how he used python to process data and create complex graphical charts.
- Interacted with various bank employees throughout the program, including members of the marketing, mortgage, engineering, and HR teams.

## Skills

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Programming	Java, HTML, CSS, Python, VB.net, PHP, C++, Scala, JavaScript, Django, React
Data/Databases	SQL, MySQL Server

## Activities

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- Committee Member (Minecraft Admin) and Rocket League 2<sup>nd</sup> team Captain for King's College London Gaming and E-Sports Society
- Member of a focus group with the Department for Education about the effects of social media on young adults and teenagers, and how parents can help their children.
- School Prefect to help communicate student ideas to the leadership team.