Robert Maye

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EDUCATION

- **Imperial College London** — Sept 2023 - Present
  MSc Advanced Computing, Dissertation: Natural Language Cognitive Architectures — London, UK

- **University of Southampton** — 2020 - 2023
  BSc (Hons) Computer Science, 1st Class — Southampton, UK

- **BHASVIC (Brighton, Hove and Sussex Sixth Form College)** — 2017 - 2019
  A Levels: A (Further Mathematics), A* (Mathematics), B (Computer Science), B (Physics) — Brighton, UK

- **Cardinal Newman Catholic School** — 2012 - 2017
  GCSEs: 6A*s, 6As (9 in Mathematics) — Hove, UK

EXPERIENCE

Aurelio — Dubai, UAE - *remote*
Machine Learning Engineer — August 2023 - Present

- Specialized in Natural Language Processing (NLP), Vector Search, and Conversational AI.

- Engaged in developing revolutionary solutions by integrating Search, NLP, and Conversational AI to transform the interaction paradigm with information.

- Collaborated in a multidisciplinary team to provide cutting-edge, efficient solutions for diverse industry clients.

10spy — Texas, USA - *remote*
Head of AI — Mar 2023 - Jul 2023

- Spearheaded the development and integration of AI capabilities in 10spy, a SaaS software tailored for sales, marketing, and gtm teams, aiming to automate tasks like lead research, outreach, and follow-up.

Capgemini, Cambridge Consultants — Cambridge, UK
Software Engineer Intern — Sep 2019 - July 2020, June 2021 - Aug 2021, May 2022 - Aug 2022

- **Iridium Satellite Systems:** Worked alongside Iridium to upgrade their satellite systems using a proprietary language called Sapphyre, focusing on UL and DL communication protocols. Led the development of a portable satellite monitoring device.

- **Cell and Gene Therapy:** Explored the cell and gene therapy space to find novel solutions to current problems, inspiring my third-year individual project.

- **Cellular Network Optimization:** Collaborated with a team to optimize cellular networks, enabling the next generation of high-speed in-flight internet connections.

PERSONAL PROJECTS

- **HoloTutor:** Built out a PoC for an AI tutor powered by Claude at the Anthropic hackathon in London UK 2023, and continued working on this since.

- **InfoRetain:** Developing educational tools to assist students and teachers at university.

- **Embodied Cognitive Agents:** Developing autonomous cognitive entities and making these agents embodied, giving them access to a world model.

- **Kognition:** Winner of a national app development competition (Apps for Good), developed an interactive classroom tool.

Technical Skills and Interests

- **Programming Languages:** Python, Java, C++, C, JavaScript, Prompt Engineering

- **Web Development:** HTML, CSS, JavaScript, Django, Flask, Node.js

- **Frameworks and Libraries:** TensorFlow, PyTorch, Keras, scikit-learn

- **Databases:** SQL, MongoDB, PostgreSQL

- **Interests:** Interested in tying large language models into artificially cognizant systems and applying these to real world problems.

Positions of Responsibility Achievements

- **University Tutor:** Provided tutoring and academic support to primary school students through the Southampton Hub.

- **Club President:** Led the university's hackathon society.