Ilai Adaya Bachrach

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EDUCATION

MSc Artificial Intelligence for Sustainable Development, University College London (UCL)   09/23 – 09/24
- **Final Grade (Predicted): Distinction – 74%**
- Key Modules: Deep Learning, Probabilistic Modelling, Responsible AI, Applied AI
- Thesis: "Identifying Causal Links in Semantic Learning for Knowledge Graphs in LLM Applications" - with B. Guedj

BSc Physics and Informatics, Amsterdam University College (AUC)   08/19 – 05/22
- **Final Grade: 3.82 - 96%** (top 10% of graduates)

International Baccalaureate, Munich International School (MIS)   2007 – 2019
- **Final Grade: 1.6** (top 4% of students), physics award

EXPERIENCE

Technical and Strategic Consultant, Deloitte (Risk Advisory)   11/24 - Present
- Working on ESG automations for Japanese chip manufacturer to turn potential risks into opportunities

Co-Founder, Morfff   11/23 - 03/24
- Built cross-platform (iOS, android) social networking app using generative AI (images and video) to spark conversations
- Grew to 300 users - 1,000 Morfffs / 1 week using Amazon Lamda Functions and Sagemaker

Machine Learning Officer, UCL AI SOCIETY Tutorials Team   08/23 - 02/24
- Organized and taught NLP lectures for 50+ students

Lead Data Scientist, CVMAKER   09/22 - 05/23
- Led and built strategic product roadmaps for optimizing AI-based systems, improving model performance by 20%
- Built cloud-based big data pipelines using tools like BigQuery
- Automated reporting processes, reducing time by 80% and improving data-driven decision-making

Junior Data Scientist, Machine Learning Programs   01/22 – 05/22
- Designed systematic bias identification functions for company wide implementation reducing systematic bias by 30%
- Reinforced personal skills in object-oriented programming, system design and data-driven presenting

Product Design Intern, 3D Signals   08/21 - 10/21
- Designed and outlined issues with existing reporting mechanism in dashboard

AWARDS AND RECOGNITIONS

'24 Winner of UCL Engineering Induction week Hackathon | '24 Winner Entrepreneur Society Best Product | '24 2nd Place AIFOUNDRY Pitch Competition @Stride VC | '23 - '24 Recognized in T500 (Top 500 Tech Talents Netherlands)

EXTRACURRICULAR ACTIVITIES

Self-Started Side Project 'TapMatch' - see Github for all Projects   09/21 - 05/22
Design and branding, focusing on in-app engagement and community building, growing to 250 users and 3 sold out events

Event Management   2021 - present
Organized 5+ large scale events including UvA Comedy Shows 2x (sold out 350 people)

UCL Krav Maga Society   09/23 - 02/24
Weekly sessions to master the art of self-defence

SUMMARY OF SKILLS

- Languages: German, English, Python, SQL, JavaScript, C, LaTeX, Bash
- DS and ML Libraries: NumPy, Pandas, Scikit-learn, Seaborn, Matplotlib, Huggingface Transformers, Streamlit
- Software Tools: Git, GitHub, JIRA, Confluence, Bitbucket, Jupyter Notebook, Google Colab, Django, VS Code, BigQuery, Firebase, Sketch 3, Adobe XD, Animation Design, React Native