

Adam **GHANEM**



CONTACT DETAILS

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PERSONAL INFORMATION

Citizenship: **Australia**
Languages: **English** (native), **Arabic** (B1)

EDUCATION

High School Certificate
Sydney Technical High School, 2016
Bachelor of Advanced Computing
University of Sydney, 2021
Masters of Philosophy (Engineering)
University of Sydney, 2024

SKILLS

- Python, SQL, Java
- Django, Unity, C
- Blender, Huggingface, PyTorch

ACHIEVEMENTS

Invitation into Dalzell Scholar Stream due to academic performance
Honours Class I

PROFILE

I am an M. Phil graduate in Computer Science from the University of Sydney, driven by a deep passion for software development, research, and cybersecurity.

Currently, I am working at the University of Sydney Education Innovation and Design Team where I specialise in AI and full-stack development. My work there focuses upon improving and developing the University wide AI platform, Cogniti. Beyond technical expertise, I thrive in collaborative environments, drawing from my experiences from working as part of a team, both academically and through competitive sports, such soccer, rugby league, and touch football. These experiences have honed my adaptability, leadership, and resilience and made me a respected and valuable team member and colleague.

PROFESSIONAL SUMMARY

- Learning Technologist Feb 2025 - Present
- Virtual Assets Officer Feb 2024 – Feb 2025
- IT Admin Volunteering for TPA – 2023 – Present
- Casual Lecturer – March 2024
- University Tutor at the University of Sydney – 2019 to 2024
- Unity and AI Developer – 2022 – 2023

EXPERIENCE

LEARNING TECHNOLOGIST at *Cogniti, Education Innovation, University of Sydney.* **2025.02–present**
◊ Responsible for the development, rollout and technical assistance of the University AI chatbot, Cogniti.

VIRTUAL ASSETS OFFICER at *The Faculty of Medicine and Health (FMH) Media Lab, University of Sydney.* **2024.02–present**
◊ Responsible for managing virtual assets and overseeing digital infrastructure to support research and educational initiatives.

Role and Experience

- ◊ Implemented robust security measures to safeguard websites against vulnerabilities and cyber threats.
- ◊ Designed, developed, and optimised websites for improved performance and user experience.
- ◊ Provided administrative support and technical assistance to ensure seamless website functionality.
- ◊ Developed web applications using Django, Python, and JavaScript frameworks.
- ◊ Led the development of AI-powered avatar solutions for enhanced user interaction.

Key Achievements

- ◊ Anatomy Application Development: Created an interactive anatomy application enabling medical students to annotate, learn, and collaborate on anatomical models while seamlessly integrating Unity projects.
- ◊ Digital Museums and Histology Viewer: Successfully developed two digital museums and an advanced histology viewer for educational and research purposes.
- ◊ IDP Integration with SAML: Integrated website authentication systems with an Identity Provider (IDP) using SAML, enhancing security and user access management.

HOBBIES

History: anything medieval, renaissance, post-war.

Sport: rugby, soccer, table tennis.

Miscellaneous: documentaries, horror films.

EXPERIENCE (CONT)

ADMINISTRATOR (VOLUNTEER) at *Taking Paediatrics Abroad (TPA)* **2023.10–present**

Website available at [TPA](#):

- ◇ Provide IT system administration and technical support for a non-profit organisation focused on global paediatric healthcare initiatives.
- ◇ Manage a WordPress site, add new content, secure the site and administer as required.

UNIVERSITY TUTOR at *The University of Sydney* **2019.02–2024.12** Provided academic and technical assistance for multiple courses, including:

- ◇ Introduction to programming.
- ◇ Software construction and design.
- ◇ Concurrency for software development.
- ◇ Object Oriented programming.

CASUAL LECTURER at *The University of Sydney* **2024.03–2024.03** ◇ Deliver lectures for INFO1111: Introduction to IT Professionalism, providing academic guidance and fostering student engagement.

RESEARCH ASSISTANT at *Future System Architecture (FSA) Lab, The University of Sydney* **2022.02–2024.02** ◇ Conducted research at System Machine Learning Laboratory, [FSA Lab](#), on system-level machine learning applications, focusing on optimisation and performance improvements.

CASUAL UNITY AND AI DEVELOPER at *The Faculty of Medicine and Health (FMH) Media Lab, University of Sydney* **2022.06–2023.12** ◇ Developed AI-driven simulations and interactive applications using Unity for medical and health sciences research.

SUMMER RESEARCH SCHOLAR at *Future System Architecture (FSA) Lab, The University of Sydney* **2020.12–2021.02** ◇ Conducted research on Bayesian Neural Networks in collaboration with Argonne Laboratory (Washington), focusing on performance optimisation.

MATHEMATICS TUTOR at *EzyMaths* **2017.01–2019.02** ◇ Provided private mathematics tutoring, translating a strong passion for the subject into an engaging teaching experience.