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Liana McMillan Sellam

American & French Nationality

EDUCATION

University of New South Wales

Bachelor of Aerospace Engineering (Honours)

Honours WAM: 76 (Class 2)

Activities: Outreach Director, UNSW Aerospace Society

Award: Warwick Slade Royal Aeronautical Society Prize 2022: Designed a Military cargo aircraft for the RAAF

College Sevigne, Paris, France

French Baccalaureate in Science with honors (Majored in Physics and Maths)

WORK EXPERIENCE

Spiral Blue, Sydney Australia   May 2024 - Present

Mission Manager
- Led Earth Observation projects, utilizing satellite imagery to create innovative solutions for clients.
- Conducted thorough market research and secured grants to facilitate our expansion into the US market.
- Designed and implemented advanced thermal systems for Space Edge Computers, boosting their performance.
- Directed the R&D efforts for lab demonstration LiDAR systems, pushing the boundaries of our technology.

Vidi Astra, Sydney Australia   Oct 2023 - May 2024

Space Engineer - Started Intern
- Directed the design and implementation of innovative LiDAR systems for satellite use.
- Networked with industry leaders and potential investors to drive technological advancements.
- Oversaw recruitment and managed interns in electrical engineering and circuit processing.
- Contributed to the development of space-borne LiDAR technology, enhancing remote sensing applications.

Focus4Communications, Paris France   Sep 2018 - Sep 2019

Intern
- Assisted in client meetings, crafting effective client-facing documents and presentations.
- Performed comprehensive market research to support and refine communication strategies.

Engineering Consulting Group (ECG), Cairo Egypt   June 2015 - Aug 2015

Intern
- Collaborated on design projects, using specialized software for space planning and material selection.
- Brought creative ideas to brainstorming sessions, enhancing project development.

ADDITIONAL LEARNINGS

Finance & Quantitative Modeling for Analysts (UPEN) - Coursera
- Financial Modelling

Breaking Into Wall Street
- VC & Growth Equity Modelling, Advanced Financial Modelling

J.P. Morgan/Forage
- Virtual Investment Banking Experience

TECHNICAL SKILLS

- **Programming:** Python, C++, MATLAB (Simulink)
- **Data Analysis:** Statistical Analysis, Financial Modeling
- **Machine Learning:** Satellite Imagery Detection, TensorFlow, scikit-learn
- **Tools:** GitHub, CATIA, Solidworks, Fusion360
- **Electronics:** Raspberry Pi, Arduino, Circuit Design
- **Other:** Microsoft Office, LATEX, Control Systems, CNC, CAD, CAM

EXTRA CURRICULARS

Royal Aeronautical Society, *Australian Division - Member*
- Lead, Women In Engineering RAeS, Sydney: Led STEM activities

Unicef, *Paris France - Young ambassador*
- Coordinated fundraising events and awareness campaigns.

LANGUAGES

English and French: Native, **Spanish:** Conversational, **Arabic & Hebrew**: Beginner

INTERESTS

I love any type of **board or card game** (poker, bug chess etc..), but also cliff diving and guitar and languages