Contact

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www.linkedin.com/in/patrick-capaldo (LinkedIn)
github.com/patrickcap (Other)

Top Skills

Microsoft Office

Customer Service

Problem Solving

Certifications

The Cybersecurity Threat Landscape

Cybersecurity Awareness: The Internet of Things (IoT)

Aeronautical Radio Operator Certificate (AROC)

Excel Essential Training (Office 365)

Learning Java (2018)

Honors-Awards

O.H. Atkinson Cup - Combined Sport & Study Award

SACE Certificate of Merit (Physics)

SACE Certificate of Merit (Chemistry)

SACE Certificate of Merit (Business & Enterprise)

Certificate of Merit (Attainment)

Patrick Capaldo

AGGP Machine Learning Software Engineer at Airbus
Adelaide, South Australia, Australia

Summary

I am an AGGP Machine Learning Software Engineer at Airbus, and a gradute of a Bachelor of Mechanical and Aerospace Engineering (Honours) with a Bachelor of Mathematical and Computer Sciences (Computer Science Major).

I think of myself as being highly diligent and organised regarding my work and study, yet also fun and easy-going when working in teams or in social settings.

My dream is to pursue a career at the forefront of the aerospace engineering and autonomy fields by contributing to the development of revolutionary design and technology.

Experience

Airbus
AGGP Machine Learning Software Engineer
September 2023 - Present (5 months)

IET South Australia & Northern Territory Young Professionals
2 years 3 months

Technical Network Support
January 2023 - Present (1 year 1 month)

Supporting the growth of the IET's Aerospace Technical Network which aims to bring together experts from aerospace-related fields and facilitate discussions about recent industry developments or collaborative ventures between those attending.

University Representative
November 2021 - December 2022 (1 year 2 months)

Liaising with the other IET South Australia & Northern Territory committee members to provide updates on the status of the Adelaide University IET On Campus, upcoming events, membership forecasts, growth ideas.

Lockheed Martin
Associate Software Engineer
February 2023 - August 2023 (7 months)

Full stack web application development:

- Angular, HTML, CSS, TypeScript/JavaScript

- WebSocket

- Python, Node.js

Defence Science and Technology (DST)
2 years 3 months

STEM Cadet
March 2021 - February 2023 (2 years)

Summer Intern
December 2020 - February 2021 (3 months)

Adelaide University IET On Campus
2 years 1 month

President
November 2021 - December 2022 (1 year 2 months)

Strategically planning the expected path of the Club in accordance with the
Club's values, goals, and the suggestions of other Committee members.
Putting people first.

Founder and Secretary
December 2020 - November 2021 (1 year)
Adelaide, South Australia, Australia

Ensuring that the club operates efficiently and ethically whilst supporting the
smooth operation of the management committee. My roles include:

- Liaising with the President and Vice-President to organise committee
meetings;
- Communicating with all committee members to plan agenda items;
- Creating and filing meeting minutes to record discussions, actions, results
and future goals;
- Keeping an up-to-date record of important contact details for the committee
and for specific events (e.g. safety officers and volunteers).

Adept Adelaide
Adept Rocketry Division Technical Team: Recovery

March 2021 - November 2021 (9 months)

Adelaide, South Australia, Australia

Ensuring the safe and controlled descent and landing of the rocket once it has achieved its apogee. After this, locating and collecting the rocket in a timely manner such that it could possibly be re-launched within 24 hours.

University of Adelaide
Undergraduate Research Assistant

July 2020 - October 2020 (4 months)

Adelaide, South Australia, Australia

Researching methods to minimise wind loads on heliostat arrays. Performing experiments on scaled heliostats of various sizes at Thebarton Wind Tunnel. Learning about academic research paradigms and effective experimental methods.

Glynde Mitre 10
Sales Assistant & E-Commerce Assistant

August 2016 - February 2020 (3 years 7 months)

Glynde, South Australia, Australia

Identifying and uploading items to the store's online product catalogue. Safely transport new stock to the shop floor. Photographing, pricing and describing products, then adding them to the online store. Designing and publishing specials and promotions. Managing cash, EFTPOS, and account payments. Correctly taking orders and managing refunds. Provide advice for garden-related questions. Assisting customers in transporting heavy or large products to their vehicles.

Saint Ignatius' College, Adelaide
Field Hockey Coach

2018 - March 2019 (1 year)

Athelstone, South Australia, Australia

Communicated with sports staff, parents, and players to organise teams appropriately for competition matches. Transferred my knowledge of field hockey to junior players. Dynamically adapted my teaching techniques to give player-specific advice.

Petro-King
Work Experience Student

January 2015 - February 2015 (2 months)

Adelaide, South Australia, Australia

Prioritising, sorting, and replying to internal emails regarding upcoming events/ meetings. Searching the intranet and email inbox for upcoming meetings/ events/conferences and organising a simple schedule without clashes. Learning about oilfield technology and searching for profitable oil deposits.

Education

EPFL (École polytechnique fédérale de Lausanne)
Space Mission Design and Operations (EE585x) · (May 2023 - July 2023)

University of South Australia
Course (2-month), Astrophysics · (May 2023 - June 2023)

University of Adelaide
Bachelor of Engineering - BE (Honours), Mechanical & Aerospace Engineering · (2018 - 2022)

University of Adelaide
Bachelor of Mathematical & Computer Sciences - BMa&CompSc (Honours), Mathematical · (2018 - 2022)

University of Southampton
Mechanical & Aerospace Engineering · (2019 - 2020)