

Andrew Marshall-Lee

Personal Statement

I am a focused and ambitious worker who has years of experience working in precise and challenging roles. All my previous internships have involved me developing a variety of programming languages and analysing results. Coupled with this I have strong organisational skills that help me manage hard work and meeting deadlines. My previous work has taught me how to excel in team roles and keep an amiable and gregarious workplace, all while working in dynamic environments where concentration and being prepared for anything that may come up is a daily and essential trait. I am looking for rewarding roles that will help me hone my skills, and where I can enjoy an interesting and varied position.

Work Experience

- February 2020 – Ongoing **Shop Assistant**, *Lidl Rugby*, *Responsibilities*: Stocking shelves in the morning, managing tills throughout the day, assisting customers, cleaning the shop at the end of day.
- December 2020 – January 2021 **Warehouse Operative**, *Saimo Recrutement*, *Responsibilities*: Stacking crates based on distribution destination and contents, palletising boxes on hold, moving crates to lorries to be shipped.
- June – September 2020 **Event Assistant/ Caterer**, *Alternatiba*, *Responsibilities*: Preparing meals, washing dishes and wiping tables after use, serving drinks/ bar-work, preparing seminar rooms, *Organiser*: Quentin Duchafour.
- March 2020 – June 2020 **Master's Internship**, *Observatoire de la Côte d'Azur, Mont. Gros, Nice*.
Project: Investigation into the Efficiency of HCM for Asteroid Family Detection
Advisor: Dr. Marco Delbo
- January 2020 – March 2020 **Researcher**, *University of Glasgow, Optics Group, Glasgow*.
Project: Depth of Correlation Effects - 3D Imaging of Zebrafish Embryo Hearts
Responsibilities: Literature Research, Mathematical Analysis, Code Development, Testing, Presentation of Results, Writing Experiment Reports.
Advisors: Prof. Jonathon Taylor
- October 2019 – December 2020 **Researcher**, *Geoazur, Valbonne*.
Project: MICROSCOPE – Metrology and Dynamics in Earth's Environment to Test Gravitation
Responsibilities: Literature Research, Mathematical Analysis, Code Development, Testing, Presentation of Results, Writing Experiment Reports.
Advisors: Prof. Giles Metris, Prof. Bertrand Chauvinou.
- September 2019 – **Researcher**, *Observatoire de la Côte d'Azur, Mont. Gros, Nice*.
Project: Impact Physics - A study of the 163 Erigone Family Halo.
- October 2019 **Researcher**, *Observatoire de la Côte d'Azur, Mont. Gros, Nice*.
Responsibilities: Literature Research, Mathematical Analysis, Code Development, Testing, Presentation of Results, Writing Experiment Reports.
Advisor: Dr Chrysa Avdellidou, Dr. Marco Delbo
- May – August 2017, 2018 **Ground Crew**, *Almat Aviation*, *Responsibilities*: Refueling Aircraft, Logging Fuel Usage, Trial Flight Briefings, Untying and tying aircraft at the start and end of the day, *Head of Operations*: Glynn Matthews.

Education

2018–2020 **MSc in Astrophysics.**

Université Côte d'Azur / Observatoire de la Côte d'Azur, Nice – France

Masters Thesis: Investigation into the Efficiency of HCM for Asteroid Family Detection

2015–2018 **BSc in Astrophysics.**

University of Cardiff, Cardiff – United Kingdom.

Bachelor thesis: Dynamical Simulations of Proto-Stellar Systems

2014 **A-Levels, 5 from A*-B**, Including: Maths, Physics, Computer Science, Philosophy, Extended Project.

Skills

Administrative Data entry, Record Management, Office Software (Word, PowerPoint, Excel).

Research and Planning Data Analysis, Problem Solving, Report Writing, Time Management, Problem Discussion.

Languages English - Native; French - CEFR B1.

Programming Languages Python - 5 Years; Julia - 2 Years; \LaTeX - 3 Years; Matlab - 1 Year; IDL - 1 Year; C/C++ - 8 Months.

Development Environments Linux (Ubuntu) - 5 years, Anaconda (Python) - 5 years, Visual Studio (C/C++) - 8 months.

Licences Full Uk Driver's Licence; Provisional UK Motorcycle licence.

Interests

Programming/ Electronics: I enjoy making small projects that involve programming and electronics. Software-wise I like to create simple games to improve my software development. Hardware-wise I created my own arcade-style controller for emulated games. Also, an infrared head-tracker, to be used in flight sims. **Please see:** <https://github.com/AndrewMarshall-Lee>.

Music 11 years experience playing the drums and I have a diploma in drums performance from the British and Irish Modern Music Institute (BIMM), Manchester.

Mechanics: I enjoy restoring classic motorcycles. These full restorations include: Engine rebuilds, frame restoration and electrics. Currently my projects are on a James Captain (1959), and a Honda SuperDream 250N (1981).

Aviation Learning to fly with 20 hours recorded flight time in a Cessna 172. Before moving to France I had a regular summer job assisting a local air club with admin, plane management and restoration.

Sports: Rugby fan, I like to go running and to the gym during the week, and hiking during the weekend when possible.

References

Available upon request.