

# Adam Jaamour

## Term Address

Powell Hall, North Haugh  
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## Home Address

17, Boulevard Albert 1er  
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## Education

**University of St Andrews:** MSc Artificial Intelligence (Expected Distinction) (2019 – current)

- Modules: Artificial Intelligence Principles, Artificial Intelligence Practice, Machine Learning, Language and Computation, Object-Oriented Modelling, Design and Programming, Information Visualisation, Data-Intensive Systems, and Web Technologies.

**University of Bath:** BSc (Hons) Computer Science with Work Placement Year (2015 – 2019)

- Graduated with First-Class Honours (Average – 71.58%).
- Modules studies: [Y3] Intelligent Control and Cognitive Systems, Computer Vision, Parallel Computing – [Y2] Artificial Intelligence, Visual Computing, Machine Learning, Data Structures and Algorithms, Functional Programming – [Y1] Discrete Mathematics for Computation, Analytical Mathematics for Applications and Principles of Programming.
- Dissertation Project: [Content-Based Video Retrieval for Pattern Matching Videos](#) (Grade: First – 76%).

**Lycée Albert 1er** (Monaco): French Baccalaureate, Scientific Stream with Option Internationale (2012 – 2015)

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## Work Experience

**Scuderia Toro Rosso Formula 1 Team:** Aerodynamic Systems Engineer Placement, UK (July 2017 – August 2018)

My role consisted in developing and stabilising the front-end and back-end architectures of a large single-page web application designed to deliver terabytes of aero simulation data per week. This involved improving robustness with extensive test coverage (unit, integration and acceptance tests), optimising performance (identifying slow SQL queries and parallelising I/O workflow) and liaising closely with the aero engineers in the UK and Italy to understand and define new requirements. The system is built with technologies including as Python & Django, KnockoutJS & SCSS, PostgreSQL and Docker.

**Monaco Pops:** Web Developer Intern, Monaco (August 2016 – September 2016)

I was tasked with assisting the development and release of an online e-shop for fashion clothes, requiring me to familiarise myself with a project in development for months with no prior experience in web development languages at the time while being expected to provide valuable contributions.

**Monte-Carlo Multimedia:** Android Application Developer Intern, Monaco (June 2016 – July 2016)

I was assigned to create a scalable template Android application for a real-estate agency from scratch by fetching data from a single XML feed, which involved writing the server-side logic in Java and the UI in XML. Using my template, a second application was created in under three hours on the final day and published on the Google Play Store (<https://bit.ly/2qqexsH>).

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## Technical Skills

- Programming experience:
  - Main programming languages: Python, Java and JavaScript/HTML/CSS.
  - Main frameworks: Python machine learning (Scikit-learn, OpenCV, Numpy, SciPy, Matplotlib) and Django.
  - Experience programming in C, Haskell, MATLAB, Swift, JQuery, KnockoutJS, PostgreSQL and Basic (AGKv2).
- RITTech Professional Registration of IT Technician in the Specialist Area of Software Development with BCS, The Chartered Institute for IT (RITTECH003290).
- Proficiency working on any operating system: Windows, Mac and Linux (Fedora, Ubuntu and Debian).
- Wide knowledge in general computer software such as Microsoft Word, Excel and PowerPoint, as well as audio-visual and photography editing software.
- Native speaker in both English and French. Working proficiency level in Spanish.

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## Side Activities

- Programming: [GitHub](#) projects and [StackOverflow](#) questions.
- Sports: tennis, football and golf. Outdoor hobbies: karting, scuba-diving, free-diving and mountain hiking.
- Participation at two hackathons with the University at Bath (Bathack 2015, LaunchPad 2017).
- 4-time Class Representative (2008/09 & 2010/11 & 2013/14 & 2014/15) and once Grade Representative (2013/14).
- Participation in the Model United Nations four times and member of the Science Debate Club (won in 2014).

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## References

Dr. Fabio Nemetz – Director of Studies  
Department of Computer Science, University of Bath  
[f.nemetz@bath.ac.uk](mailto:f.nemetz@bath.ac.uk)

Jason Mowbray – Aerodynamic Systems Group Team Leader  
Scuderia Toro Rosso Formula 1 Team  
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