

Mohamad Izzul Imran Bin Tajul Aripin

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Nationality: Malaysian

**Junior RF Engineer &  
Master's Engineering Student from  
University of Rennes 1, France.**

*Electronics and Telecommunications*

Passionate about developments in telecommunications systems, antennas and Radar systems, I am searching for a job allowing me to apply my engineering knowledge learnt in telecommunications.

## EDUCATION

2013 - 2015	<b>MSc in Electronics and Telecommunications <i>specialising in Telecommunications Systems</i></b> University of Rennes 1 - Rennes (35), France.
2011 - 2013	<b>BSc in Electronics and Telecommunications.</b> University of Rennes 1 - Rennes (35), France.
2009 - 2011	<b>2-year diploma in Electrical, Electronics and Computer Science Engineering.</b> University Institute of Technology Tours - Tours (37), France.
2008 - 2009	<b>Intensive 1-year preparation course (French, Advanced Math &amp; Physics)</b> University of La Rochelle - La Rochelle (57), France.
2006 - 2007	<b>SPM (Malaysian Certificate of Education equivalent to O-Level)</b> MARAJunior Science College Taiping – PERAK, Malaysia.

## PROJECTS AND PROFESSIONAL EXPERIENCE

May – October 2015	<b><u>Final year Master's degree internship – JUNIOR RF ENGINEER</u></b> <b>Ethertronics France SAS, Antibes, France.</b> Subject: <b>Wi-Fi &amp; Penta-Band Antenna Design, Tuning and Measurements</b>
2014/2015	<b><u>LC Circuit design of Artificial Magnetic Conductors (AMC)</u></b> <ul style="list-style-type: none"><li>Research on High impedance and frequency selective surfaces.</li><li>Analytical calculation and programming using <b>MATLAB</b>.</li><li>Numerical calculation and 3D design using <b>HFSS</b> and <b>CST</b>.</li></ul>
2013/2014	<b><u>Development of radio transmission chains at 2.4GHz frequency</u></b> <ul style="list-style-type: none"><li>Designing transmission chains using an <b>SDR</b> toolkit for <b>GNU Radio</b>.</li><li>Configuration and piloting of <b>USRP</b> modules.</li></ul>
2011/2012	<b><u>Conception of a semi-conductor as an Ultra-high frequency antenna</u></b> <ul style="list-style-type: none"><li>Conception and transmission analysis of a Big MOSFET antenna with <b>Ansoft Designer</b>.</li><li>Fabrication of the Big MOSFET in a clean room.</li></ul>
May - June 2011	<b><u>Final year diploma internship</u></b> <b>Tenaga Nasional Berhad (National electricity provider) - PERAK, Malaysia</b> Subject: <b>Voltage Drop Application for electrical distribution system.</b>

## SKILLS & ABILITIES

Languages	<b>English:</b> Fluent (Writing, Reading and Speaking) <b>French:</b> Negotiation level (Speaking and Reading) (DELFB2 obtained 2009) <b>Malay:</b> Mother tongue
Knowledge & Skills	<ul style="list-style-type: none"><li>Knowledge in <b>RF Systems, Antennas, Direction Finding, Radar Systems, Micro-waves &amp; Signal Processing</b></li><li><b>Microsoft Office</b> and <b>Open Office, Adobe Creative Suite, Blender</b>.</li><li>Programming languages: <b>C, C++, VHDL, Verilog, JAVA, Assembly, Python (basics)</b></li><li>Proficient with software: <b>OrCad, Matlab, Simulink, Ansoft Designer, HFSS, CST, LabView and GNU Radio</b></li></ul>

## OTHER INFORMATION

Leisure activities & hobbies	<ul style="list-style-type: none"><li>Tennis, Golf, Football</li><li>Radio-controlled: cars, aeroplanes, helicopters &amp; Drones</li><li>Social games, video games</li><li>Photography</li></ul>
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