

# JENS WIRA

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LANGUAGES SPOKEN: ENGLISH, CHINESE, BAHASA INDONESIA

## EDUCATION

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National University of Singapore <b>2015-2019</b>	<b>B.SC (HONS), MAJOR IN CHEMISTRY, MINOR IN AQUATIC ECOLOGY</b> 4.22 CAP, Dean's List Semester 1 2018/2019 Overseas Undergraduate Research Opportunities In Science Project Title: <i>Polyketide Synthesis in Amphidinium carterae Under Differing Growth Conditions</i> Final Year Internship In Chemistry Attachment: <i>Agri-food &amp; Veterinary Authority of Singapore, Singapore Food Agency</i>
NUS High School of Mathematics and Science <b>2007-2012</b>	<b>HIGH SCHOOL DIPLOMA, MAJOR IN MATH, BIOLOGY, CHEMISTRY, PHYSICS</b> 3.60 CAP Advanced Research Project Title: <i>Protein Function Prediction by Machine Learning Method</i>

## ARMED FORCES SERVICE SUMMARY

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Singapore Armed Forces <b>2013 - 2015</b>	<i>PLATOON COMMANDER, BASIC MILITARY TRAINING CENTER</i> Enlisted in May 2013, entered Officer Cadet Course in August 2013, commissioned as an Infantry Officer in April 2014, and posted to Basic Military Training, 7 <sup>th</sup> Company as a 2 <sup>nd</sup> Lieutenant. Promoted to 1 <sup>st</sup> Lieutenant and shifted to 6 <sup>th</sup> Singapore Infantry Regiment 'A' Company in Nov 2014. Ended service in May 2015
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## EMPLOYMENT SUMMARY

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Tech-serve Engineering <b>2019-Present</b>	<i>ASSISTANT ENGINEER</i> Materials and surface technology solutions provider company for chemical process plants, e.g. petrochemical, pharmaceuticals. 3D design work and creation of engineering drawings, failure analysis for damaged or worn components, fabrication of specialized parts.
Singapore Food Agency <b>2018 - 2019</b>	<i>INTERN, FOODBORNE &amp; NATURAL TOXINS TEAM</i> Food safety testing for regulatory, commercial export, import purposes using trace analytical techniques focusing on fungal, bacterial and marine biotoxins. Method validation, development, and optimization for determination of compounds in HPLC, ELISA and LC-MS/MS
Institute of Marine and Environmental Technology, MD <b>2018</b>	<i>RESEARCH INTERN, PLACE LAB</i> Research project on polyketide synthase pathways and toxin formation in <i>Amphidinium carterae</i> strains under different conditions. Chemical assays of lake water to find effect of barley bales as biocontrol measures on <i>Microcystis</i> algae growth
Pidilite Innovation <b>2015</b>	<i>INTERN</i> Formulation and testing of properties such as waterproofing, durability, and UV resistance for outdoor building coatings
Singapore Test Services <b>2013</b>	<i>INTERN</i> Environmental testing by means of testing engine emissions, indoor and ambient air quality, and trade effluent samples from industrial areas

Systematics.sg <b>2019 - Present</b>	<i>PARTNER</i> Website developer and backend data management for online sports and lifestyle store, and virtual sporting event organizer.
Red Dot Running Company <b>2016 - 2019</b>	<i>STORE &amp; OPERATIONS EXECUTIVE</i> Sales of adventure and ultra-running equipment and nutrition at a start-up boutique store, and set-up and optimization of workflow processes for tracking of inventory, logistics, cashflow and online orders.
Basecamp Venture <b>2011 - 2020</b>	<i>FREELANCER</i> Planning and organization for sporting, teambuilding, and corporate events with up to 5000 participants, involving volunteer and logistics management.

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## ACHIEVEMENTS

### ACADEMIC

- Dean's List (NUS) **2018**
- AP Scholar with Honor Award **2012**
- **5**, Advanced Placement Exam (Calculus, Chemistry) **2011, 12**
- **4**, Advanced Placement Exam (Physics, Biology) **2012**
- Eagles Award **2012**
- Outstanding Student- Achievement, Leadership, Service **2012**
- Outstanding Leadership Award **2012**
- CCA Achievement Award **2012**
- High Distinction (Excellence), Australian National Chemistry Quiz **2008**
- Distinction, Australian National Chemistry Quiz **2007**

### EXTRA-CURRICULAR ACTIVITIES

- Rogue Raid 24 Hour Finisher **2017, 18**
- GeoQuest 48 Hour Adventure Race Finisher **2019**
- AR World Series – Altay Xtrail Expedition Team Captain **2017**
- The Magnificent Merapoh Trail 100km Finisher **2017**
- Mount Tahan Climbathon 63Km Finisher **2018**
- AR World Series – Adventure Race Japan Team Captain, 1<sup>st</sup> Youth Team **2018**

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## OTHER CERTIFICATIONS AND PROFICIENCIES

- SCIEX QTRAP 6500+ LC-MS/MS System Advanced Training Course
- Advanced Certification in Team Leadership
- High proficiency in Microsoft Excel, VBA.net for Excel, Word
- Proficient in AutoCAD, HTML/CSS/JS, GoogleAppScripts, Perl, R, PowerPoint
- Adobe Photoshop, Lightroom
- Advanced Open Water Diver (PADI)
- International Sports and Activity First Aid
- Orienteering, Singapore Representative