

# IVANA POLIM

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## EDUCATION

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| <b>Massachusetts Institute of Technology (MIT)</b><br>Candidate for Bachelor of Science in Chemical Engineering and Chemistry | <b>Cambridge, MA</b><br><i>expected June 2014</i>     |
| <b>Sutomo 1 Senior High School</b><br>GPA 92.5/100  | <b>Medan, Indonesia</b><br><i>Jul 2007 – May 2010</i> |

## EXPERIENCE

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| <b>Lippard Research Group, Department of Chemistry, MIT</b><br><i>Advanced zinc fluorescent sensors for studying Metalloneurochemistry – Research Assistant</i> <ul style="list-style-type: none"><li>Synthesizing derivative of fluorescein that has increased selectivity and ratiometric response for biological zinc ion.</li></ul> <i>Supervisors: Prof. Stephen J Lippard and Dr. Zhen Huang</i>   | <b>Cambridge, MA</b><br><i>Feb 2011 – Present</i>                                   |
| <b>MIT Southeast Asian Service Leadership Network (SEALNet)</b><br><i>Treasurer</i><br><i>Core team member for project Indonesia 2011</i> <ul style="list-style-type: none"><li>Planning a service leadership project in Medan focused on educating the public about water pollution and gastro-intestinal worms and disseminating information about public healthcare</li><li>Contacting local organizations (received very good response), actively raising funds (for the project), writing and translating proposals to the local government, recruiting local high school and university students</li></ul> | <b>Cambridge, MA</b><br><i>Nov 2010 – Present</i><br><i>Oct 2010 – Present</i>      |
| <b>MIT Office of Undergraduate Admissions</b><br><i>Record Office - Clerical Worker</i> <ul style="list-style-type: none"><li>Processing of documents: scanning documents, batching application letters, opening and bundling mails, indexing scanned documents with minimum errors</li><li>Replying to prospective students' email (over 100 emails in two hours work shift) effectively and providing helpful insights to MIT Admissions</li></ul>   | <b>Cambridge, MA</b><br><i>Sept 2010 – Jan 2011</i>                                 |
| <b>Sutomo 1 Senior High School</b><br><i>Chemistry Study Club – Founder, President and Head Tutor</i> <ul style="list-style-type: none"><li>Founded the first Chemistry tutoring club in Sutomo 1 Senior High School</li><li>Trained 10 assistant tutors to teach in the club</li><li>Tutored 250 students high school level Chemistry and successfully raised the Chemistry grades of over 200 students</li><li>Designed problem sets to prepare students for Chemistry tests and graded the problem sets</li></ul>   | <b>Medan, Indonesia</b><br><i>Jul 2008 – May 2010</i>                               |
| <b>Sutomo 1 Senior High School</b><br><i>Chemistry Olympiad Training Assistant Tutor</i> <ul style="list-style-type: none"><li>Assisted a Chemistry teacher to train over 20 students prior to participating in the National Chemistry Olympiad (in both theoretical and experimental Chemistry)</li><li>Four of the students successfully obtained medals in the National Olympiad</li></ul>  | <b>Medan, Indonesia</b><br><i>Jul 2008 – Aug 2010</i>                               |
| <b>Sutomo 1 Senior High School</b><br><i>English Literature and Debating Society (ELDS)</i> <ul style="list-style-type: none"><li><i>Secretary</i></li><li><i>Vice President</i></li><li>Successfully organized newsreading and speech competitions with more than 500 participants</li><li>Organized classes for debating competitions and invited alumni as debate sparring partners</li></ul>   | <b>Medan, Indonesia</b><br><i>Jul 2007 – Jun 2008</i><br><i>Jul 2009 – May 2010</i> |

## HONORS

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| <b>Valedictorian of Sutomo 1 Senior High School, Medan, Indonesia</b>                            | <i>May 2010</i>  |
| <b>41<sup>st</sup> International Chemistry Olympiad, Cambridge, United Kingdom: Silver Medal</b> | <i>July 2009</i> |
| <b>National Chemistry Olympiad, Makassar, Indonesia: Gold Medal</b>                              | <i>Aug 2008</i>  |
| <b>Singapore Mathematics Olympiad, Singapore: Bronze award</b>                                   | <i>June 2008</i> |
| <b>Chemistry governor cup, North Sumatra, Indonesia: First winner</b>                            | <i>Feb 2008</i>  |
| <b>3<sup>rd</sup> International Junior Science Olympiad, Sao Paulo, Brazil: Silver Medal</b>     | <i>Dec 2006</i>  |

## SKILLS

**Language:** Chinese (fluent), Korean (basic), Taiwanese (conversational), Cantonese (basic), Indonesian (fluent)  
**Computer:** C++ language, Adobe Photoshop, Adobe Illustrator, Visual Basic  
**Sport:** Swimming, Badminton, Aikido, Ice skating