

# Arun Wongprommoon

Pursuing a Bachelor's in Computer Science and Engineering

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github.com/rayaburong

rayaburong.github.io

## Education

<b>Massachusetts Institute of Technology</b>	2019 – 2023	GPA N/A
<b>Phillips Exeter Academy</b>	2018 – 2019	GPA 10.60/11.00, Cum Laude
<b>Mahidol Wittayanusorn School (MWITS)</b>	2015 – 2018	GPA 4.00/4.00, Valedictorian
<b>Current Courses</b>	6.036 Machine Learning, 6.004 Computation Structures, 24.903 Semantics, 6.08 Embedded Systems, 21M.606 Stagecraft	
<b>Relevant Past Courses</b>	web.lab, 6.046 Algo II, 6.009 Python II, 11S.188 Urban Data Science	
<b>Skills</b>	C/C++, Python, Java/Android Dev, HTML/CSS, JavaScript	
<b>Languages</b>	Thai (native), English (native), French (elementary), Mandarin (basic)	
<b>Interests</b>	3D animation, photography, visual art and design, linguistics, music	

## Projects

	<b>MWITS Chemical Database App, team of 3</b>	Android Dev, PHP, MySQL
	<i>keeps track of chemical stock, borrowing and returning requests from users</i>	
	<b>Ambient Detector, leader in team of 3</b>	Android Dev, signal theory
	<i>notifies users of sounds matching local database using algorithm from research paper</i>	
	<b>Exeter Dining Hall (Android), team of 2</b>	Android Dev, HTTP
	<i>lists weekly menus and allergies at two school dining halls</i>	
	<b>Phrase2Vec, team of 3</b>	Python, ML theory
	<i>experimentation with modified word2vec and seq2seq on low resource languages</i>	
	<b>LectHub (for HackMIT), team of 4</b>	HTML/CSS, JavaScript, HTTP
	<i>lecture video platform with auto captioning and live text content modification</i>	
	<b>JourNext (for web.lab), team of 3</b>	HTML/CSS, React, MongoDB
	<i>fullstack website project for journey scheduling, with personal profiles and sharing</i>	

## Research and Work Experience

<b>MIT Quest for Intelligence UROP, Fall 2019 – Spring 2020</b>	Research Assistant
<i>A-Maze Project: LSTM RNN to generate testing data for sentence comprehension experiments</i>	
<b>Wayfair Summer 2020 Internship Program</b>	Software Engineering Intern
<i>program canceled due to COVID-19 pandemic</i>	
<b>MIT 6.009 Fundamentals of Programming, Spring 2020</b>	Lab Assistant

## Academic Achievements

<b>International Olympiad in Informatics, 2017</b>	Silver medal
<b>Google Code Jam, 2020 season (ongoing)</b>	Round 2 qualifier (top 10%)
<b>USA Computer Olympiad, 2019 season</b>	Platinum level
<b>American Mathematics Contest 12, 2019</b>	Distinguished Honor Roll
<b>North American Computational Linguistics Olympiad, 2019</b>	Invitation Round qualifier

## Clubs and Positions

<b>The Tech (MIT Newspaper)</b>	Associate Production Editor, photographer
<b>Southeast Asian Service Leadership Network</b>	Member
<b>Exeter Computing Club</b>	'18 – '19 Board Member, lecturer