

Arun Wongprommoon

Pursuing a Bachelor's in Computer Science and Engineering

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github.com/rayaburong







rayaburong.github.io

Education

Massachusetts Institute of Technology	2019 – 2023	GPA N/A
Phillips Exeter Academy	2018 – 2019	GPA 10.60/11.00, Cum Laude
Mahidol Wittayanusorn School (MWITS)	2015 – 2018	GPA 4.00/4.00, Valedictorian

Spring 2020 Courses	6.036 Machine Learning, 6.004 Computation Structures, 24.903 Semantics, 6.08 Embedded Systems, 21M.606 Stagecraft web.lab, 6.046 Algo II, 6.009 Python II, 11S.188 Urban Data Science
Relevant Past Courses	C/C++, Python/Keras/Pytorch, Java/Android Dev, HTML/CSS, JavaScript
Skills	Thai (native), English (native), French (elementary), Mandarin (basic)
Languages	
Interests	3D animation, photography, visual art and design, linguistics, music

Projects

	MWITS Chemical Database App, team of 3 <i>keeps track of chemical stock, borrowing and returning requests from users</i>	Android Dev, PHP, MySQL
	Ambient Detector (Android app), leader in team of 3 <i>notifies users of sounds matching local database using algorithm from research paper</i>	Android Dev, signal theory
	Improve the News (Android app) <i>presents news from improvethenews.com as well as bias slider settings and user article ratings</i>	Android Dev, HTTP
	Phrase2Vec, team of 3 <i>experimentation with modified word2vec and seq2seq on low resource languages</i>	Python, NLP, ML
	LectHub (for HackMIT), team of 4 <i>lecture video platform with auto captioning and live text content modification</i>	HTML/CSS, JavaScript, HTTP
	JourNext (for web.lab), team of 3 <i>fullstack website project for journey scheduling, with personal profiles and sharing</i>	HTML/CSS, React, MongoDB

Research and Work Experience

MIT Course 8 UROP with Max Tegmark, Summer 2020	Research Assistant
<i>Improve the News: Detecting News Bias using Machine Learning</i>	
MIT Quest for Intelligence UROP, Fall 2019 – Spring 2020	Research Assistant
<i>A-Maze Project: LSTM RNN to generate testing data for sentence comprehension experiments</i>	
MIT 6.009 Fundamentals of Programming, Spring 2020	Lab Assistant

Academic Achievements

International Olympiad in Informatics, 2017	Silver medal
Google Code Jam, 2020 season	Round 2 qualifier
USA Computer Olympiad, 2019 season	Platinum level
American Mathematics Contest 12, 2019	Distinguished Honor Roll
North American Computational Linguistics Olympiad, 2019	Invitation Round qualifier

Clubs and Positions

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