Arun Wongprommoon

arunwpm@mit.edu | rayaburong.github.io | 603 416 9687 | Cambridge, MA

Education

Massachusetts Institute of Technology (MIT) **Cambridge, MA**
Candidate for M.Eng. in Computer Science   Sep 2023 – Jun 2024
Candidate for B.Sc. in Computer Science and Linguistics, GPA 4.9/5.0   Sep 2019 – Jun 2023

Work and Research

Duolingo **Pittsburgh, PA**
Software engineer intern (Monetization Area; Super Packaging Team)   May – Aug 2022
- Added onboarding for users who started Super subscription on Android, and tweaked the purchase flow
- Incorporated Firebase analytics to target ads to users who are predicted to likely spend or churn
- Increased company's bookings by at least $1,000 a day, judging from A/B test experiments and metrics

Cambridge Mobile Telematics (CMT) **Virtual / Cambridge, MA**
Software engineer intern (Android SDK Squad)   June – Aug 2021
- Developed an Android app which demonstrates usage of CMT's core SDK codebase
- Learnt Kotlin as well as technical concepts such as observers, subscribers, and fragments
- Improved company's customer reach, as the application serves as a fully functioning template

Improve the News, MIT Undergraduate Research Opportunities Program **Virtual**
Undergraduate researcher, leader in team of 10   May – Aug 2020
- Collaborated with Max Tegmark to create an AI news aggregator which informs users of bias
- Built Android app with Java that displays articles, evaluated topics, and allows for user ratings
- Made topic classification model with GPT and BERT, achieving 80% precision on *NYT* corpus

Projects

TypeIt, HackMIT 2021 (team of 4)
- Created a website that teaches how to type on the keyboard in 100+ different languages
- Programmed the keyboard display, timer, and language selection frontend using React.js

JourNext, MIT web.lab 2020 (team of 3)
- Developed a website to collaboratively plan, edit, and share schedules and maps for vacations
- Programmed front end using React.js and several map APIs, and database using MongoDB

Teaching

Workshop Mentor, Blueprint Hacks (2021, 2022)
- Taught high school students Java and the basics of Android Development in 4 hours

Teacher, MIT Splash (2019, 2020)
- Taught various topics such as Thai, Minecraft speedrunning, and Eurovision Song Contest

Lab Assistant for 6.190: Low-level Programming in C and Assembly (Fall 2022)
Lab Assistant for 6.08: Embedded Systems (Spring 2021, Spring 2022)
Lab Assistant for 6.009: Fundamentals of Programming (Spring 2020)

Achievements

- Silver medal, International Olympiad in Informatics 2017 (79th percentile)
- Round 2 finisher, Google Code Jam 2020 (95th percentile) and 2021 (92nd percentile)
- Platinum division, USACO 2019 (highest division before training camp)

Extracurriculars

- *The Tech* Production Editor (2021, 2022)
- Thai Students at MIT board member
- MIT Eta Kappa Nu Marketing Officer
- MIT UPOP

Skills   Android development, Pytorch, C/C++, React.js, Vue, Javascript, Keras, Git, French, Thai
Interests   Photography, Video editing, 3D animation, Urban planning, Design, Music, Squash, Bouldering