Arun Wongprommoon

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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 Experience

Robinhood   **Menlo Park, CA**
Incoming Android engineer intern   May – Aug 2023

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

Research Experience

Spoken Language Processing, MIT Undergraduate Research Opportunities Program   **Cambridge, MA**
Undergraduate researcher   Feb – May 2023
- Examined unit-to-unit speech translation without text representation using HuBERT
- Aiming to improve performance by constructing a multilingual translation model

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

Teaching

Undergraduate Teaching Assistant for 6.190: Low-level Programming in C and Assembly (Spring 2023)

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)

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)

Achievements

- Silver medal, International Olympiad in Informatics 2017 (79th percentile)
- Round 2 finisher, Google Code Jam 2020 (95th percentile) and 2021 (92nd percentile)

Extracurriculars

- *The Tech* Co-publisher (2023), Production Editor (2021, 2022)
- Thai Students at MIT Treasurer (2022)
- MIT Eta Kappa Nu Marketing Officer
- MIT UPOP 2020
- MIT MEMSI 2023

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