

Wisha Wanichwecharungruang

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Education

Rice University, Houston, TX 2021 – Present
Bachelor of Science, Computer Science. Exp. Graduation 2025
GPA: 4.00/4.00 (2 semesters completed)

Mahidol Wittayanusorn School, Nakhon Pathom, Thailand 2017 - 2020
GPA: 3.96/4.00.

Skills

Languages: Thai (native), Malay/Indonesian (elementary).

Technical Skills: Rust, Python, JavaScript, React Native, MATLAB, Mathematica, NumPy, Keras/Tensorflow, HTML, CSS, Git, Linux & UNIX

Relevant Coursework/Knowledge: Data structures, Algorithms, Dynamic Programming, Object-Oriented Programming, Multivariable Calculus, Linear Algebra

Projects / Experiences

RuamDuang, *Co-Founder & Lead Developer* August 2020 - Present

- Lead development team of 2 people in developing apps, websites, and back-end services for a horoscope review crowd-sourcing platform with now over 10K monthly users.
- Built iOS, Android, web app using React Native / Expo.
- Built back-end connecting to MongoDB database and Elasticsearch service in Rust.
- Maintained and managed the platform's server, database, app deployments, etc.

HackRice Hackathon, *First Place Winner* September 2022

- With 3 other, created an interactive web game to demonstrate voter suppression through ballot stations placement.
- Used HTML, JavaScript, and CSS, along with the Canvas API.

Ultralight Dark Matter Solitons, *Undergraduate Researcher* May 2022 - Present

- Studied nonlinear interactions of solitons made of ultralight dark matter particles.
- Write algorithms to numerically simulate spin-1 self-interacting dark matter solitons.
- Design, run, and analyze simulations with different initial conditions.

TrueLab Startup Sandbox, *Finalist* June – August 2021

- Participated in a program for building AI-based products/services that will be used by True Corporation, the biggest technology and telecommunication company in Thailand.
- Utilized convolutional neural network and various audio processing techniques to create speaker classification system with over 96% accuracy.