NOPPARUJ VONGPATARAKUL

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EDUCATION

University of Illinois Urbana-Champaign   **Champaign, Illinois**
Bachelor of Science in Computer Science |Minor in Economics   Expected Dec 2025
- **Honors:** Dean's List (GPA: 3.9/4.0)
- **Relevant Coursework**: Artificial Intelligence, Introduction to Algorithms and Models of Computation, Advanced Competitive Algorithm Programming, Data Structures, Computer Architecture, Probability and Statistics for Computer Science, System Programming, Introduction to Data Mining

PROFESSIONAL EXPERIENCE

Illinois Secretary of State   **Champaign, Illinois**
Application Developer   Aug 2024 - Present
- Designed and developed a mobile application for both Apple and Android for young teen driver training for over 550,000, enhancing accessibility to essential resources and progress tracking as a capstone project.
- Implemented a user-friendly logging system for teens to track practice hours and learning modules, utilizing interactive learning to maintain retention.
- Built a verification framework, utilizing secure methods and OTP systems for parent confirmations to ensure compliance with state training regulations.

Accenture   **Bangkok, Thailand**
Customer Data and Lending Architecture Design Intern   June 2024 - Aug 2024
- Developed and redesigned the lending architecture of a bank used by over 17 million customers.
- Optimized the lending architecture by redesigning and planning over 3,000 system interactions for enhanced efficiency and performance.
- Selected as one of six interns (out of 70) to serve on the Intern Council, organizing community events and career advancement initiatives.

K.Patara Lumber   **Bangkok, Thailand**
SWE Intern   May 2024 - July 2024
- Developed and implemented a program leveraging Optical Character Recognition (OCR) technology to accurately read and process hundreds of order confirmation documents, saving over $100,000 annually.
- Automated the extraction and input of relevant order details into the company's database system, significantly improving data entry efficiency by 70% and accuracy by 40%.

Kasikorn Business Technology Group   **Bangkok, Thailand**
Data Management Intern, Sales Forecasting   July 2023 - August 2023
- Developed 3 models for forecasting future sales growth so the company can better make decisions regarding future considerations.
- Collected and extracted over 10 million data points, utilizing PySpark and SQL language to analyze sales and transaction information.
- Utilized ARIMA and LSTM to predict future trends for the growth rate of each transaction channel.

PERSONAL PROJECTS

Should-I   **Champaign, Illinois**
Application Developer
- Utilized a flask-based Node.js backend and HTML CSS frontend to create a website that allows users to virtually upload photos of themselves and clothing to try them on virtually
- Incorporated a MySQL database to allow users to log in and store information from previous sessions, such as favorited clothing combinations

HandyHelper   **Champaign, Illinois**
Application Developer
- Designed and developed a web-based platform using React.js (frontend) and Django (backend) with a team of four developers to connect students with handymen for affordable service requests.
- Developed a user-friendly interface for job postings, profile browsing, and direct communication, which interacted with a SQLite database for efficient storage and retrieval of user, job, and review data.
- Integrated MapTiler API and MapLibre GL JS for location-based job searches and map rendering, enhancing user experience.

SKILLS

Technical Skills: Python, Java, Kotlin, C++, Data Management, Dashboard Construction, SQL, Data Analysis, Data Forecasting, Architectural Design, Management Consulting,
Languages: Fluent in Thai and English