

Suphalerk Lortaraprasert
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EDUCATION

OREGON STATE UNIVERSITY

Corvallis, OR

Master of Engineering, Major in Computer Science

(2022 - Spring 2024)

- Coursework (Parallel Programming, Computer Architecture, Artificial Intelligence, Huma-Computer Interaction, Database Management System)
- Project form (Artificial Intelligence course): “Planning a Path for a Vacuum Cleaner Agent in a Dynamic Environment” is architecture designed to navigate and clean a room of arbitrary size, which may contain random walls, implemented iterative deepening and AO* search algorithms.
- GitHub: <https://github.com/porschelook/Artificial-Intelligence/tree/main/Final> (Python, AndOr, AO* search)

THAMMASAT RANGSIT UNIVERSITY

Rangsit, Thailand

Bachelor of Science, Major in Computer Science

(2016 - 2020)

- Archived: Android Studio, Arduino, and machine learning using Weka
- Thesis titled “Web Application for Alzheimer’s Patient Screening Using MRI, Image Processing, and SVM” achieving an accuracy of 76.86% in distinguishing Alzheimer’s patients from non-Alzheimer’s individuals, with a specificity of 78.67%.
- GitHub: <https://github.com/porschelook/Web-application-detecting-alzheimer.git> (Django, OpenCV)

WORK EXPERIENCE

INF Systems & Engineering (Thailand) Ltd.

Bangkok, Thailand

Software Developer

(2020 - 2022)

- Developed 20 reusable components/libraries using JavaScript to streamline future projects utilizing the React framework, optimizing time and resources while standardizing the codebase for consistency across all applications.
- Integrated with backend systems using MVC architecture and C#, ensuring robust data management and security protocols.
- Reduced software bugs through rigorous testing and debugging procedures, encompassing both frontend (React, React Native) and backend (C#) components.

Central JD Fintech Holding Co., Ltd.

Bangkok, Thailand

Software Quality Assurance Engineer

(2020 – 2020)

- Enhanced software quality across more than three projects by developing and executing comprehensive test plans, pinpointing bugs, and proposing enhancements.
- Conducted performance tests on software applications to detect potential bottlenecks and suggest optimizations for enhanced scalability.
- Innovated custom test tools to boost efficiency and precision of QA processes across diverse platforms and environments.

TECHNICAL SKILLS

- Skills: HTML/CSS, JavaScript, C/C++, API, Node.js, Java, Python
- Frameworks/Systems: VIM, React, React-Native, SQL, MongoDB, Material-UI, Social Network API, GitHub Action, Django, Docker
- Other Technical Skills: Git, Agile Development, Object-Oriented Programming, AWS, Linux/Unix, UX/UI design, OpenCV-Python (cv2), NumPy, Latex, Test case design/Planning, Manual Testing, White Box