Suwaphit Buabuthr

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EDUCATION

Texas Tech University, Lubbock, Texas, USA	Graduation Date: December 2020
Master of Science in Computer Science	**GPA: 3.33**
King Mongkut's University of Technology Thonburi, Bangkok, Thailand	Graduation Date: September 2018
Master of Science in Technopreneurship (Institute of Field Robotics (FIBO))	**GPA: 3.75**
Sukhothai Thammathirat Open University, Bangkok, Thailand	Graduation Date: November 2017
Bachelor of Business Administration in Marketing	**GPA: 2.30**
King Mongkut's University of Technology Thonburi, Bangkok, Thailand	Graduation Date: June 2014
Bachelor of Engineering in Computer Engineering	Second class Honors **GPA: 3.33**

EXPERIENCE

I GEAR GEEK co., ltd., Chiangmai, Thailand
Junior Data Engineer   *May 2020 – present*
- Automated ETL processes, making it easier to wrangle customer data for marketing purposes from various database resources on AWS, MongoDB, and MySQL.

Provincial Electricity Authority, *Bangkok, Thailand*
Full Stack Developer II   *July 2016 – July 2019*
- Developed and automated test application integration with REST/SOAP using C#, PHP (Laravel), Python, and Selenium for payment process and other enterprise product in the business to support 20 million customers.
- Developed stored procedures using PL/SQL and maintained the scripts for various data feeds on Oracle.
- Designed, developed, and tested UX/UI responsive across platforms for web and mobile applications to manage 20 million customer electrical usage data.
- Designed and developed, code, and data pipelines that leverage GIS, structured and unstructured data integrated from multiple sources for global reports and to be used in BI Tools in SAP ERP System (especially in Plant Maintenance (PM) and Project System (PS) modules) to support 37,000 staff.
- Performed post-implementation troubleshooting and technical support of new applications and application upgrades.

THiNKNET co., ltd, *Bangkok, Thailand*
Senior Software Engineer   *July 2014 – June 2016*
- Contributed in enhancing Job Search algorithm by using Elasticsearch in www.jobthai.com product.
- Designed database structure for collect Thailand map and geospatial data (around 2 million records) and Developed MapMagic API product via using OpenStreetMap data.
- Developed and unit tested application to meet business requirement and followed Standards by using Laravel, D3.js
- Performed in Agile and Kanban methodology, interacted directly with entire team provided/took feedback to meet business requirement and followed standards.

ADDITIONAL EXPERIENCE

Advanced Data Wireless Network, Bangkok, Thailand, Data Analyst Intern August 2013 – January 2014
Advance Info Service PCL., Bangkok, Thailand, Software Engineering Intern, June 2013 – August 2013
Freelance, Bangkok, Thailand, Tutor January 2012 – September 2013

SKILLS/AWARDS

- **Technical Skills**
  Programming Language : Python, R, JavaScript, PHP, C#, C/C++, MATLAB, HTML, CSS, SQL, PL/SQL
  Frameworks/Tools : React, Django, D3.js, Laravel, .Net, Bootstrap, Selenium, Cypress, Docker, GIT, SVN, MongoDB, Microsoft Server, MySQL, Tableau, Sketch, Balsamiq, Adobe Photoshop, SAP
- **Awards**
  J.T. and Margaret Talkington Graduate Fellowship (2019 – Present), USA
  Petchra Prajomklao Graduate Scholarship (2015-2017), Thailand
  Consolation Prize in Young Technopreneur Innovative Business Plan Development Competition 2018
   by SAMART Group and The National Science and Technology Development Agency (NSTDA), Thailand

PROJECTS

On Simulating Energy Consumption of Federated Learning Systems Simulate 2020
Simulated energy and time consumption of a federated edge learning system based on the Non-Orthogonal Multiple Access (NOMA) transmission protocols by using MATLAB.

Discovering Fake Driver Based on Temporal Driving Behaviors 2020
Developed classification model with the aim to infer behavioral characteristics to discriminate between difference car drivers from a set of vehicle-related features.

Simulation masked faced to applying in Face-masked recognition model 2020.
Developed a script for simulate face-masked by using Labeled Faces in the Wild (LFW) dataset to build a Face-masked recognition model.

Power Consumption Observation on Mobile web application 2019
Developed script to collect mobile power consumption during access to each website on mobile to build a framework that can protect privacy vulnerable from internet usage on mobile.

Development of Logistics Evaluation System for Industrial Thailand Performance 2018
Developed evaluation system in a diagram of causal loops to support decision makers for enhancing Thailand logistic performance. These Logistic Performance Indexes (LPIs) which significantly impact overall logistics performance. Eventually, the system is used as a guideline to systematically enhance logistic performance in industrial sector.

UX/UI Development of learning management system on Mobile 2014
Worked together with the computer engineering department, staff, and students to develop, design, implement and tested a user interface for LMS (learning management system) by using paper/pen, Balsamiq, and Sketch to provide wireframe, paper prototype, and graphics.

INVOLVEMENT

Computer Club, King Mongkut's University of Technology Thonburi (KMUTT)
Coordinator (2013)   2010 – 2014
• Coordinated GDG Bangmod staff to organize android developer camp with Engineering department staff.

2B-KMUTT University Research Camp for Engineering, Science, and Art, KMUTT 2009 – 2012
*Food and Safety Service Director (20*09-2010*)*
• Managed dining services and nursing facilities to more than 180 members in camp.
• Coordinated Admissions and Recruitment Office to provide a proper resource in each research lab.

Senior Consultant (2011)
• Coordinated Admissions and Recruitment Office to provide a proper resource in each research lab with sponsorship and Instructor.