Thapani Sawaengsri

Application Developer

tsaw8.github.io/

Thapani.Sawaengsri@gmail.com

(813) 334-4156

github.com/tsaw8

EXPERIENCE

University of South Florida Information Technology Department Tampa, FL
Application Developer *Jun 2020 - Present*

- **Performance Enhancement:** Reduced page load times by 200% in admissions review application by eliminating reductant queries
- **ARC Petitions:** Automated student academic exemption requests that decreased processing time by 66% by consolidating all information sources and business processes into one centralized location
- **Appointment Scheduling:** Launched virtual student advisor appointment scheduling system across three campuses resulting in 68,580 scheduled appointments since its release in the last year
- **CARES Act:** Designed COVID-19 economic relief application for students to request for aid and enabled financial aid officers to process over 6,500 applications within one month
- **Onboarding & Training:** Provided mentorship and training to trainees by teaching best practices and developing design and algorithmic skills

Appian Trainee *Dec 2019 - May 2020*
- **ActivityTracker:** Decreased faculty payment data collection efforts by 30% by digitizing paper forms and created a BPM process to automate the assignment of tasks for medical school analysts
- **System Resources Request:** Automated resource requisition and approval workflow that facilitates better resource planning and eliminates double-booking
- **Asset Management:** Built and designed IT Assessment Management app to monitor and manage assets that eliminate repetitive tasks and manual processes

Thinkful Tampa, FL
Data Science Apprentice *May - Nov 2019*
- **E-Commerce Product Recommender:** Employed implicit alternating least squares algorithm to suggest preferred items based on users purchase history with an ROC AUC score of 0.87 in suggesting relevant products
- **Twitter Bot Classifier:** Preprocessed 28 million tweets to train Random Forest model with 99% accuracy, recall, and precision in classifying tweets from human and robot users

EDUCATION

University of South Florida Tampa, FL
Graduate Certificate, Business Analytics *Jan - Dec 2021*
B.A., Political Science, magna cum laude, GPA: 3.9/4.00 *Aug 2014 - Dec 2016*

SKILLS

Languages: Appian SAIL, SQL, Python, Java, R, HTML, CSS, Javascript (Most to Least Proficient)
Development Tools: Git, PyCharm, JIRA, Power BI

VOLUNTEER

MAGIC Mentor
getmagic.org *Nov 2021 – Present*
- Taught the concepts of Memory Allocation, Pointers, Compilation and other basics of programming to develop a well rounded knowledge
- Guided mentee to create Exoplanet visualizations using Python and launched portfolio website on Github