

Thapani Sawaengsri

Application Developer

tsaw8.github.io

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github.com/tsaw8

EXPERIENCE

University of South Florida Information Technology Department

Application Developer

Tampa, FL

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

Graduate Certificate, Business Analytics

B.A., Political Science, magna cum laude, GPA: 3.9/4.00

Tampa, FL

Jan - Dec 2021

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