

Thapani Sawaengsri

Application Developer II

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github.com/tsaw8

EXPERIENCE

University of South Florida Information Technology Department

Application Developer II

Tampa, FL

Jun 2020 - Present

- **Graph API Migration:** Transitioned from deprecated Exchange and Outlook APIs to Graph API to continue operation of advising application
- **ARC Petitions:** Automated student academic exemption requests that decreased processing time by 66%. Thus 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

PROJECTS

- **REST API:** Created REST API, using .NET 5 framework and C#, added a Docker network and Kubernetes clusters to enable a more resilient distributed system
- **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

EDUCATION

University of South Florida

M.S., Business Analytics and Information Systems

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

Tampa, FL

Aug 2022 - Present

Aug 2014 - Dec 2016

SKILLS

Languages: Appian SAIL, SQL, Python, Java, HTML, CSS, Javascript, C# (Most to Least Proficient)

Development Tools: MySQL/MariaDB, Visual Studio Code, Git, Power BI, .NET 5

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