Sataporn Worasilpchai

404-583-6248 | @ sworasilpchai@gmail.com | in LinkedIn | GitHub

EDUCATION

Georgia Institute of Technology   Atlanta, GA
Master of Science in Computer Science (Machine Learning)   *January 2022 – Present*
Bachelor of Science in Computer Science   *August 2016 – May 2018*
Bachelor of Science in Industrial and System Engineering   *August 2011 – May 2016*

EXPERIENCE

Sitkum Systems   February 2023 – Present
Applied Research Scientist   *Seattle, WA*
- Developed a synthetic data creation process for a Navy research proposal utilizing the stable diffusion model.
- Implemented word2vec algorithm on large data sets for market research using NumPy, SciPy, and Gensim.

Whitepages   May 2022 – July 2022
Applied Research Scientist Contract   *Seattle, WA*
- Applied statistical methods to large data sets to i) measure results and outcomes, ii) identify causal impacts and attributions, iii) generate insights, graphs, and maps to support business decisions.
- Created a data pipeline for ingesting and formatting data for analysis using Spark, python, and S3.
- Validated hypothesis on data sets by using 3rd party data models and population segmentation.

Likewise Inc.   July 2019 – October 2021
Quality Analyst   *Seattle, WA*
- Executed end-to-end testing plans for Likewise web, mobile, and TV apps per business requirements and functional specifications.
- Studied user behavior and action to generate key performance metrics for the business and dev team.
- Developed web automation tests to increase confidence and reduce test cycle time using Cypress and JavaScript.
- Wrote Python scripts to validate 3rd party data accuracy using Python and Postman.

U.S. Bank   June 2018 – July 2019
Jr. Software Quality Engineer   *Atlanta, GA*
- Wrote and executed manual test plans per product owner.
- Developed automated tests for Android devices running U.S. Bank's application via Appium, ADB, and Java.
- Created a desktop application to accelerate ADB command line execution on Android-based payment devices.

Georgia Tech Office of Information Technology   May 2017 – May 2018
Student Assistant   *Atlanta, GA*
- Installed and decommissioned servers.
- Addressed and resolved customer requests and complaints.

PROJECTS

MOOC Recommender | *Python, FastAPI, React, Docker, Heroku*   January 2023 – Present
- As an extension to CSE-6242 (Data Science and Visual Analytics) group project, a React web app w/ FastAPI backend was created to allow users to search and build a list of courses from online platforms (Udemy, Edx, Coursera, etc).
- Implemented the word2vec method on 150K online course titles and descriptions. Analyzed course similarity by calculating its NP average vector.

Rack and Strap | *React, Express, MongoDB, Node.js, Redux*   April 2023 – Present
- Developed and implemented responsive and user-friendly front-end interfaces using React.
- Integrated and coordinated the front-end and back-end components to deliver end-to-end functionality, ensuring a smooth user experience and efficient data flow within the application.

TECHNICAL SKILLS

Languages: Python, Javascript, HTML/CSS, SQL
Frameworks: Node.js, Express, FastAPI
Developer Tools: Git, MongoDB, Cypress, VS Code, AWS, Colab, ADB, Appium
Libraries: pandas, NumPy, Matplotlib, React, Redux, Axios