KEVIN MONISIT

New York Metropolitan Area

kevin.monisit@rutgers.edu | linkedin.com/in/kevinmonisit | github.com/kevinmonisit

EDUCATION

Rutgers University - New Brunswick   September 2021 - May 2025
Bachelor of Science in Computer Science   *GPA: 3.92*

Computer Science: Data Structures, Computer Architecture, Systems Programming (Fall 2022)
Mathematics: Calculus II, Discrete Mathematics I, Discrete Mathematics II (Fall 2022)

TECHNICAL SKILLS

Languages: Javascript. Experience with Java, Python, HTML, CSS, & C
Technologies: React, Firebase, Git, MongoDB, Tailwind CSS, Express, Flask

EXPERIENCE

Student Systems Programmer   January 2022 – Present
Rutgers Open Systems Solutions   *Piscataway, NJ*
- Contributed 10+ improvements and bug fixes to Shrunk, the official Rutgers URL shortener, using Python, Flask, MongoDB, Typescript, and React in conjunction with comprehensive unit testing
- Implemented a critical security feature and verification process for 1,000s of links in Shrunk by developing a RESTful API alongside the Google Safe Browsing API
- Added a notification system in Shrunk that allows administrators to notify 1,300+ faculty and staff
- Simplified dashboard button placement and converted Rutgers logo to SVG in the navbar
- Developed an interactive calendar that calculates shades based on total availability for RUmeeting, a Rutgers-affiliated meeting coordinator, with React and Tailwind CSS

PROJECTS

Scarlet Navigator | scarletnav.io | *React, Typescript, Redux, Firebase, Tailwind CSS, Algolia*
- Built an intuitive drag-and-drop course planner for Rutgers students to plan years ahead, featuring course prerequisite validation, flexible user customization, and multiple saved plans
- Includes 4,500+ Rutgers courses with information, such as number of credits and available locations
- Shipped with automatic core requirement evaluation, along with credit tracking and course indicators
- Deployed on Google Cloud, leveraging services like NoSQL Firestore and serverless Cloud Functions

Predicting Chronic Absenteeism in High School | *Python, Scikit-Learn, Matplotlib, Pandas*
- Predicted student chronic absenteeism before they entered high school using scikit-learn
- Collected longitudinal student data from a secured dataset of seniors that graduated in 2020
- Decided the best parameters for the models via exploratory analysis in Jupyter Notebooks
- Used hyper-parameter tuning to further optimize the models for >85% labeling accuracy

Traveling Salesman Problem | *Javascript, HTML, CSS*
- Predicted student chronic absenteeism before they entered high school using scikit-learn
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- Used hyper-parameter tuning to further optimize the models for >85% labeling accuracy

Text2Anki | *Python*
- Created a CLI program for the spaced-repetition flash card program, Anki
- Reads and produces cards en-masse for a better studying experience
- Enables the customization of produced cards to fix edge-case scenarios

EXTRACURRICULARS

Front-End React Developer   January 2022 – Present
HackRU   *New Brunswick, NJ*
- Working with a team to develop Sledge, a MERN judging web-app, for convenience in judging projects in Rutgers University's official, biannual Hackathon