Aromal Suresh

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Profile

- Motivated Rutgers Honors College student looking to use technical and interpersonal skills in a summer internship

Education

Rutgers University — New Brunswick | Honors College — Expected May 2023

- Working towards B.S. in Mathematics and Computer Science (Double Major)
- 135 credits completed towards Bachelors program
- Selected Coursework: Computer Architecture, Data Structures, Algorithms, Intro to AI, Graph Theory
- GPA: 3.98/4.0

Academy for Health and Medical Sciences — Sept 2015 - Jun 2019

- Dual enrolled in Raritan Valley Community College while in high school
- High School Diploma GPA – 3.9/4.0 | A.S. in General Sciences GPA - 3.95/4.0
- National Merit Scholarship recipient

Experience

Kean University Center for Data Analytics | Research Assistant — Aug 2021 - Present

- Working to compile and model COVID-19 case/death/vaccination data to better plan for this and future pandemics
- Migrated website from Ubuntu to AWS as sysadmin, set up a PostgreSQL database to replace text files for GIS
- Utilizing machine learning and factor analysis on collected data to ascertain most relevant socioeconomic factors

Fiserv Card Services | Software Engineering Intern — Jun 2021 - Aug 2021

- Worked with Application Development team to iterate on software used internally to work with B2B clients
- Developed automation for multiple tools used frequently to onboard new clients, cutting time required by 50%

Tegra118 | Data Analytics/Software Development Intern — Jun 2020 - Aug 2020

- Contributed to maintenance of accounting system written in APL and its peripheral systems with Operations team
- Analyzed multiple data sources and automated daily creation of a dashboard to inform investors about the market
- Developed tool to search multiple log files for process uptimes and outages, saving 30 minutes daily

Skills

- Python, Java, C, SQL, APL, Linux, Bash, R, Git, Microsoft Office

Projects

LXPress — Fall 2021

- Full stack web app that notifies Rutgers students of optimal bus routes and arrival times to get to and from class
- Deployed backend server hosted on Heroku using Python with Flask and SQLAlchemy to manage user login data
- Integrated TransLoc API for bus arrival information with the Twilio API to text students

RUTree — Fall 2019

- Full stack web app that provides Rutgers students a dependency tree of courses for their major
- Deployed backend server hosted on Google Cloud with a LAMP stack to create and serve course information
- Utilized Rutgers Schedule of Classes API for course information