SAMUEL SUNDARARAMAN

DATA SCIENTIST

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EDUCATION

Stony Brook University Aug. 2017 to Current

B.S. Computer Science and Applied Math and Statistics

2020

SUMMARY

Current undergraduate student enrolled at Stony Brook University for Computer Science and Applied Math and Statistics, with an expected graduation date of May 2020. Extremely adaptable, driven, and passionate about software engineering and data science. Experience with Machine Learning, Computer Vision, and Natural Language Processing.

SKILLS

DATA SCIENCE: Statistical Inference, R, Machine Learning, Natural Language Processing , Optical Character Recognition, Computer Vision

SOFTWARE ENGINEERING: Debugging, Design, Version Control , Python, Java, SQL, Database Design, Amazon Web Services, MIPS Assembly, JavaScript, NodeJS, API Integration

INTERPERSONAL: Public Speaking , Team Leadership, Problem Solving, Communication

EMPLOYMENT

INDIUM SOFTWARE — Chennai, India

Data Science Intern — June 2019 to Aug. 2019

Data Science Intern during the summer of 2019. Created the project Tex.AI , a tool for automatic document validation. Developed in Python using Flask , Google's TensorFlow , Luminoth, Google's Tesseract (OCR) ,OpenCV (Computer Vision), and NLTK (NLP).

PROJECTS

SBML — Mar. 2019 to May 2019

A functional programming language similar to SML written completely in Python. Developed the grammar and parsing rules used when reading test programs.

COURSE SITE GENERATOR — Sept. 2018 to Dec. 2018

Desktop application written in Java to automatically render HTML pages for a class website. Users can edit their website to their liking, including specifying TA and office hours, which will be automatically rendered on the website. This project was created using a self-made SDD and utilized several design patterns.

E-COMMERCE STORE DATABASE — Mar. 2019 to May 2019

Database application written in Java using an SQL backend to store and maniuplate data. This project was used to simulate daily database transactions between customers, sellers, and database administrators in an e-commerce environment.

OCRCAR — Feb. 2019 to Feb. 2019

Self-driving car that was built using Raspberry Pi for OCR and Arduino for motor controls and sensor input. Built during the Hack@CEWIT 2019 hackathon.

TRIPOGRAPHY — Nov. 2016 to Nov. 2016

Web application written using HTML and JavaScript to recommend POIs to a user based on their demographics. Utilized Google Maps, Trip Advisor, and Pitney Bowes API in order to use user-inputted data to return tailored POIs.

AWARDS

Stony Brook University · PRESIDENTIAL SCHOLARSHIP — Apr. 2017