Saksham Aggarwal

Computer Engineering. 647-896-3920. aphsai.github.io

Experience

Software Architect - Shoplogix   May 2018 - Aug. 2018

- Created interactive visualizations of factory machine information using React
- Implemented conversion of basic authentication credentials to cookies allowing for compatibility with React Native WebViews
- Optimized core product by revamping libraries and streamlining codebase

Web Scraper - iRestify   Sept. 2016 - Jun. 2017

- Used Java and the Selenium WebDriver to efficienctly extract information from databases
- Implemented scripts to clean and format data in desired format

Projects

Grammar Bot   Python/TensorFlow

- Automatically adds punctuation to input text
- An LSTM network was trained using individual characters as input, and an output vector consisting of extracted punctuation

Puppr   React/Cloudinary/Firebase

- Uses image recognition to filter dogs from uploads into a gallery
- Visitors can sign up to save and like images
- Utilizes Cloudinary database to store and retrieve images, and Firebase to manage members

reSTARant   React Native/Google Cloud Vision

- Allows users to find reviews of a restaurant by taking a picture of the restaurant sign
- Uses OCR, string matching and geonavigation algorithms to determine the name of the store

Skills

Proficient: Java/C++/Python/Javascript/HTML/CSS/React/Git/Bash/Emacs

Familiar: Node.js/React Native/TensorFlow/LaTeX/Linux

Education

Bachelor of Applied Sciences - University of Waterloo

Hobbies

Vector/Pixel Art/Rock Climbing/Reading (Currently: Mistborn)/Writing