

DAMAN MULYE

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Education

2018-2022 (Expected)
GPA: 3.89/4.0
Urbana, IL

University of Illinois at Urbana-Champaign (UIUC)

Bachelor of Science, Computer Science

Dean's List: Fall 2018

Relevant Courses: Discrete Structures, Data Structures and Algorithms,
Computer Architecture

Summer 2017
GPA: 4.0/4.0
Seattle, WA

University Washington

Relevant Courses: CSE 143: Computer Programming II – Java Collections

Experience

Undergraduate Research Assistant

UIUC
Jan 2019 - now
Urbana, IL

- > Implementing a custom neural network architecture with TensorFlow to predict delay states of airports across the United States
- > Researching the applications of combining both recurrent and convolutional neural networks to interpret and analyze temporal and spatial weather data
- > Developing database solution with SQLite to stream data directly into the prediction algorithm during the training and testing phases

Software Engineering Intern

Eastside Preparatory
School
Summer 2018, 2019
Kirkland, WA

- > Collaborated with peers to create a web-based guest management system for administrative assistants to organize guest visits to the EPS campus
- > Project scope was extended to include event registration and management features due to the success of the minimum viable product
- > Designed a website to track students' usage of equipment in the MakerSpace Lab to ensure all activity with the tools complied with EPS' policies
- > Developed experience with functional programming (Elixir) and database management (PostgreSQL)

Projects

Discover

- > Developing a web-based music recommendation engine based on social network graphs
- > Utilized a combination of collaborative filtering and content-based approach to generate recommendations
- > Wrote the front-end with React, Redux, D3.js and back-end with Node.js, Express, Neo4j
- > Deployed application using Google Firebase

Association of Data Science and Analytics

- > Built and trained a convolutional neural network to diagnose diabetic retinopathy
- > Gained experience with using Keras and TensorFlow as the backend

Scan2Plan

- > Worked in a team to develop an iOS application to extract event information from fliers/posters and add the relevant information to a user's calendar
- > Utilized Google's MLKit to convert images into text and Apple's Natural Language Processing models to process textual data

Miscellaneous

Open Source

HackIllinois
2019

- > Made several contributions to open source projects of various scale on GitHub
- > Won the IMC award "Best Contribution on Developer Tools" for contributions made to the open source project, HTMLHint, an HTML linter utilized by over 7000 projects on GitHub

Skill Set

Languages:

- > Java
- > JavaScript/ES6+
- > TypeScript
- > Python
- > C++
- > Elixir
- > HTML5/CSS3

Tools/Frameworks:

- > Git
- > Node.js
- > React/Redux
- > Express
- > Neo4j
- > PostgreSQL/SQLite
- > MongoDB
- > TensorFlow/Keras

Extracurricular Activities:

- > Association for Computing Machinery
- > Association of Data Science and Analytics
- > Ultimate Frisbee