

Bharat Srirangam

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Objective

To obtain a Data Scientist/Engineering or Software Developer internship during the summer of 2018

Education

GEORGIA INSTITUTE OF TECHNOLOGY

Atlanta, GA

Bachelor of Science in Computer Science

(Expected Graduation May 2019)

Minor in Mathematics

GPA: 3.92/4.0

- Threads: Intelligence, Information Internetworks, Devices

Relevant Coursework: Data Structures and Algorithms • Honors Discrete Math • Computer Systems and Organization
Objects and Design • Introduction to AI • Machine Learning for Trading • Systems and Networks • Honors Advanced
Algorithms • Probability and Statistics

Skills

Computer: (Languages) Proficient: Java, C | **Medium:** Python, SQL, HTML, Matlab | **Knowledgeable:** C++, JavaScript

Developer Tools: Git, JDBC, TestNg, Gradle, Java Reflection, Bootstrap, Json/GSON, XML, Android Dev, Tensorflow, ML

Experience

Georgia Tech Healthcare Robotics Lab (Institute for Robotics and Intelligent Machines)

Atlanta, GA

Machine Learning Research Assistant

December 2017 – Present

I currently research the potential benefits of using Generative Adversarial Neural Networks (GANS) as a way of developing more complete training data sets for supervised deep learning. I am also researching how to improve GANS by studying how semi-supervised vs pure supervised learning affects GANS's generative/discriminative neural networks.

- Technologies/Libraries used include Python, NumPy, Pytorch, Keras/Tensorflow and other in Lab developed libraries

Georgia Tech College of Computing: Computer Science Tutor

December 2017 – Present

I currently tutor students of the College of Computing on subjects such as Discrete Math (CS2050), Object Oriented Programming (CS1331), Data Structures and Algorithms (CS1332) and Computer Systems and Organization (CS2110)

Actifio Inc.

Waltham, MA

Software Engineering Intern

June 2017 – August 2017

Actifio is a technology firm designed to provide Data Management as a service. Customers use a company developed application to retrieve, manipulate, and review their current storage information.

- Developed parts of our company's Restful API with Java (called on by the UI) to add customer requested features
- Created/wrote several tests using TestNg and refactored major parts of the application's UI code base
- Learned skills in developer tools such as ANT, Hibernate, PostgreSQL and the concept of Rest APIs

Einstein's Workshop

Burlington, MA

Mentor/Teacher's Assistant/Event-Coordinator

November 2011 – June 2016

Einstein's Workshop is a maker space for grades preK-10 dedicated to learning the skills of an innovator, inventor and creator. The Workshop is dedicated to stimulating interest in STEM through camps and classes.

- Managed the questions of customers/children and Taught children in basic skills of Scratch, NXT Design/Software, etc.

Extracurricular Projects/Activities

CourseTree (CT): Course Planning Application

CT is a web application that pairs with applications such as courseoff.com/Coursicle. It is often hard for students to choose the appropriate courses and which sequential courses to take. CT allows for students to easily plan for future schedules.

- Created unique data structures for a graph implementation to store the course hierarchy in an accessible/efficient way

College Activities: The Agency | Web-Dev Club | The Makery | Georgia Tech Crew Club (Rowing)

Hackathons/Class Projects

Object Oriented Design (CS2340): BoRats.Inc

BoRats.Inc is a mobile android application that keeps track of rat sightings throughout New York City. This java app was made in our CS2340 class which aims at giving us experience with approaches to software development in the industry.

- Was elected Team Leader and assigned work appropriately. I held us accountable to achieve every milestone in time.
- Developed in Java using Android Studio. Implemented Google's Firebase for multiuser backend capability and tested with JUnit classes for quality and functionality. Project was also developed using Agile Principles and Values/Scrum