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 • Objects and Design • Introduction to AI • Systems and Networks • Honors Advanced Algorithms • Probability and Statistics • Machine Learning for Trading

Experience

Georgia Tech Healthcare Robotics Lab (Institute for Robotics and Intelligent Machines)   **Atlanta, GA**
Machine Learning Research Assistant   *December 2017 – Present*
I am currently researching the potential benefits of Generative Adversarial Neural Networks(GANS).
- Researching a way developing complete training data sets for supervised deep learning algorithms through GAN's
- Experimenting on how semi-supervised vs pure supervised learning affects GAN's generative/discriminative networks
- Technologies/Libraries used include Python, NumPy, Pytorch, Keras/Tensorflow and other in Lab developed libraries

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

Georgia Tech College of Computing: *Computer Science Tutor*   *December 2017 – Present*
I currently tutor students of the College of Computing on several different subjects.
- Teach core Computer Science courses such as Discrete Math(CS2050) • Object Oriented Programming(CS1331) • Data Structures and Algorithms(CS1332) • Computer Systems and Organization(CS2110)

Einstein's Workshop   **Burlington, MA**
Mentor/Teacher's Assistant/Event-Coordinator   *November 2011 – June 2016*
The Workshop is a makerspace made to inspire innovators and creators by stimulating STEM interest through local classes.
- Managed the questions of customers/children and Taught children in basic skills of Scratch, NXT Design/Software, etc.
- Lead and Created STEM day events that focused on basic analytical skills and complex logic skills

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, Pandas, ML
College Activities: Bits of Good | The Agency | Web-Dev Club | The Makery | Georgia Tech Crew Club (Rowing)

Extracurricular Projects/Activities

Personal Website: bharatsrirangam.github.io – Website
- Developed personal website with HTML5/CSS and added reactive display and interaction using Javascript/JQuery

CourseTree (CT): Course Planning Application – Web Application
It is often hard for students to choose the appropriate courses to take. CT helps students easily plan their class schedules.
- Created unique data structures for a graph implementation to store the course hierarchy in an accessible/efficient way
- Developed a small Java Prototype with a working JSON document parser that implements the GSON library

Class Projects/Hackathons

Object Oriented Design (CS2340): BoRats.Inc
BoRats.Inc is a mobile android application made in our CS2340 class that keeps track of rat sightings throughout NYC.
- Became Team Leader and assigned work appropriately. I held us accountable and solved disputes as necessary.
- Implemented Google's Firebase for multiuser backend capability and tested using JUnit for quality and functionality
- Created in Java using Android Studio and Developed using Agile Principles and Values/Scrum