

Bharat Srirangam

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Objective

To obtain a summer 2017 research position or internship in a computer science field (ie. Cybersecurity or Data Analysis)

Education

GEORGIA INSTITUTE OF TECHNOLOGY

Bachelor of Science in Computer Science (Expected Graduation May 2020)

GPA: 4.0/4.0

Atlanta, GA

August 2016 – Present

Sophomore (by Credit Hours)

- Mathematics Minor
- Threads: Information Internetworks, Devices
- Relevant Coursework: Object Oriented Programming, Linear Algebra with Abstract Vector Spaces, Data Structures and Algorithms, Honors Discrete Math

Experience

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 teaching the skills required of an innovator, inventor and creator. The Workshop is dedicated to stimulating an interest in the fields of STEM through camps and classes.

- Managed customers and young children, who have questions (both mechanical/conceptual and informational)
- Taught and Tutored children in basic skills of Scratch, Inkscape, NXT Design and Software, Minecraft Art, etc

Hackathons/Projects

Civilization VI CS1331 Edition

We created and coded a version of Civilization - a turn based strategy game that was the focus of our homework in our CS 1331 Object Oriented Programming Class. We were responsible for creating a majority of the Classes and functionality of the game – including the UI.

- Created the units and their functionality using Java
- Effectively Used Java by incorporating unique concepts such as Inheritance and Polymorphism as well as Javafx

MediCheck

MediCheck is an app that was created for the Amazon Echo and Dot. Its purpose is to help patients with Alzheimer's Disease and other elderly patients remember to take their medications by using Alexa (Amazon's AI) to set checkpoints and reminders for the patients.

- Created using Amazon's Alexa App Builder and AWS Lambda Programming
- Implemented a cost-effective solution that could save lives if distributed as a finalized app for 'Dot' owners

Activities

Affiliations: American Junior Academy of Science/Massachusetts Junior Academy of Science

Sep 2015 - Present

College Activities: Georgia Tech Crew Club (Rowing)

August 2016 – Present

Grey Hat CyberSecurity Club

August 2016 – Present

Interests: BCI's (Brain Computer Interfaces), Cybersecurity, Data Analysis, Dancing

Skills

Computer: (Languages) Java, C++

Lab Equipment: Chemistry Lab Equipment (ie. Bunsen Burners, Pipets, Burettes, Spectrophotometers)

Publications: Skeletal Fluorosis Prevention Analysis

Extracurricular Projects

LexSciBowl (Middle School National Science Bowl Competition)

www.lexscibowl.org

Event Co-Coordinator and Creator/Communication and Outreach Director/Meeting Leader

May 2015 – May 2016

LexSciBowl is a version of the popular National Science Bowl competition for middle school students. Middle school teams from the surrounding towns were gathered to participate in a competition that would stimulate an early interest in science and mathematics.

- Coordinated and Organized the arraignment and distribution of supplies for the competition on "game" day
- Represented our brand new organization when communicating to other schools, companies, and other organizations
- Managed and Developed the layout/structure of the event by leading Coordinator Meetings

Skeletal Fluorosis Prevention Analysis

Lexington, MA

Publication Co-Author/Project Leader/Active Scientist

December 2014 – May 2016

This publication about Skeletal Fluorosis(SF) prevention describes a science project that I started in 11th grade. The project was focused on the discovery of a brand new cost-effective method to remove fluoride from water, effectively preventing SF.

- **Received Several Prestigious Awards:** Semi-Finalist of the 2015 Clean Tech International Competition || Semi-Finalist in the Siemens Science Discovery || 1st/2nd at the Massachusetts State Science and Engineering Fair in 2015/2016
- Published in the American Junior Academy of Science/Massachusetts Junior Academy of Science Research Journals
- Discovered and Experimented using the Scientific Method to create a new method to remove fluoride from water