Yamini Bhaskar

Operations Manager at Holmusk

Work Experience

Operations Manager at Holmusk

July 2015 - Present (4 months)

Holmusk is an innovative telehealth platform that uses data (analytics, visualization, prediction, signaling

etc.) to tackle chronic diseases and influence positive health outcomes. My role as an Ops Manager involves

connecting with partners, collaborators and users Startup-related tasks:creating presentations,market research

and managing the daily operations of the company

Junior Trainer/Presenter at Wildlife Reserves Singapore

July 2010 - Present (5 years 4 months)

Presenting animal shows Husbandry of animals Enrichment Educating visitors about animal conservation

PHD Researcher at Nanyang Technological University (NTU Singapore)

January 2014 - November 2014 (11 months)

Functional studies about the neural circuitry in the brain and how it changes under stress using resilient

models.

Research Associate at Nanyang Technological University

November 2012 - January 2014 (1 year 3 months)

Neuroscience research on stress and resilience using animal models.

Research Intern at Genome Institute of Singapore at A*Star

August 2012 - September 2012 (2 months)

Worked on identifying biomarkers that play an important role in targeted cancer therapy. Data mining to

identify biomarkers in existence and their relevant drug responses in targeted cancer therapy.

Languages

Tamil

Hindi

Kannada

English

Projects

Brain computer interfacing by EEG modulation

March 2009 to November 2009

Members:Yamini B., vinoth S., Uma Bhavani

(Native or bilingual proficiency)

(Full professional proficiency)

(Native or bilingual proficiency)

(Native or bilingual proficiency)

Designed and constructed a Brain Computer Interface (BCI) using LABVIEW and ELVIS to detect visually

evoked potentials and train users to control the glowing of an LED on the computer screen by voluntary

electroencephalogram (EEG) modulation. This BCI system requires only two electrodes, and has a relatively

short training time for both the user and the machine. This will be greatly beneficial for paralytic patients.

Auto tracking of movement of a mouse in a maze using LabVIEW:

May 2009 to May 2010

Members:Yamini B., vinoth S., Uma Bhavani, Thenmozhi

Designed and constructed a system to automatically track the movements of mice in an 8 arm radial maze.

We used IR sensors fitted into the sides of each arm of the maze and connected that to a PCB which was

connected to the computer with LabVIEW. This maze is designed to perform studies on the spatial learning

and memory of rodents. The basic information necessary to the researchers is the entry of the mouse in each

arm and the time spent by the mouse in each arm. Using the analog circuit as well as LabVIEW we were able

to provide the above information.

Design of a motion capture system for upper limb movement analysis

March 2011 to December 2011

Members:Yamini B.

Designed an optimal system to track the upper limb movement of normal subjects performing activities of

daily living using Qualysis Motion Tracking system and addressed issues such as occlusion of markers and

space constraints to provide a stable and reliable system for future trials to be conducted on stroke patients in

hospitals.

Honors and Awards

First place in paper presentation at national level technical symposium

Anna University

March 2009

Presented a paper titled "Use of biomaterials in tissue engineering" and was awarded the first place for that

presentation.

Second place in paper presentation at inter collegiate symposium

Jerusalem College of Engineering

September 2008

Presented a paper titled "Use of Neural Networks in Breast Cancer Detection"

First place in poster designing competition

Bannari Amman Institute of Technology

October 2009

Designed a poster on the theme "Global opportunites and challenges of Technical Students" in the 12th ISTE

Students' National Convention.

Volunteer Experience

Volunteer teacher at SINDA

August 2011 - Present (4 years 3 months)

Conduct reading classes for children on weekends to help them improve their english reading skills.

Certifications

RCULA

Skills & Expertise

Matlab

Labview

Biomedical Engineering

Image Processing

Microsoft Office

Biomaterials

Molecular Biology

Medical Devices

Microsoft Excel

Medical Research

Qualysis

Motion Capture

Data Mining

Real-time Data Acquisition

Photoshop

Education

Nanyang Technological University

MSc, Biomedical Engineering, 2010 - 2011

Anna University

Bachelor of Engineering (B.E.), Biomedical/Medical Engineering, 2006 - 2010

Activities and Societies: Student council, NGO-Third Vision

Bishop Cotton's womens christian college

2004 - 2006

Activities and Societies: Modelling, Dancing

Interests

Animals, writing, reading, artwork, travelling

Location

131 Whitecross Street, London