



Yenatfanta Shifferaw

SUMMARY

Yenatfanta Shifferaw, Computer Engineer/AI Researcher, Addis Ababa, Ethiopia, +251 911 84 48 37/ +251 911 85 31 30, yenatshif@gmail.com, Efficiently carry out various tasks and well adept at seeking solutions to existing problems or finding new ways of attacking challenging ones, Strongly believe and implement perseverance and creatively involve with system that effectively contributes to the growth of the organization, Effectively work in a group environment or independently, in a professional style with excellent interpersonal and communication skills

EDUCATION

Master of Science with Honors in Computer Engineering, Addis Ababa University, Ethiopia, 2008-2011, Final Thesis : Hybrid Intelligent System for Lung Cancer Type Identification (Published), An Intelligent system developed for classifying lung cancer types which are small cell and non-small cell lung cancer ., The system takes CT scan image of the chest and uses several image processing techniques to extract and filter out region of interests and implements artificial intelligence systems: self-organizing map and fuzzy system to identify the type of lung cancer., Accuracy obtained in identification was 97%., Bachelor of Science with Distinction in Electrical Engineering, Jimma University, Ethiopia, 2004-2007, Undergraduate project: Musical Water Fountain, The system takes music as an input from any sound source , samples and filters it and then perform Transform which in turn gives different frequency levels to the motor as an input thus making it change the valves accordingly., Therefore the water level of the fountain changes according to the sound of the music and it also refracts and reflects the light (because of Light Emitting Diodes connected) making it interesting to watch.

CERTIFICATION

Trainings and certificates

TECHNICAL SKILLS

Windows, UNIX, Linux, ROS (Robot Operating System)	Programming and scripting languages:
Other Skills:	C, C++, MATLAB, Python, Scheme, bash, Haskell
Networking and Computer maintenance	HTML, XML,CSS,AJML
Website development	Linux system administration, RDBMS, Cloud Computing, ITIL
Coordinating and arranging meetings/ workshops	Github version control
Working with various Microsoft Packages	Operating Systems:

PROFESSIONAL EXPERIENCE

Dec 2019-up to date, Senior Artificial Intelligence Engineer (AI), Excellerent Technology Solutions, Responsibilities:, Build AI team guideline with regard to AI platform, infrastructure and service, Prepare POC for AIOPs, Medical Scheduling and AutoDE, Work on AI applications for local sectors: health, education and agriculture, Mar 2017- Dec 2019, Associate Researcher, Ethiopian Biotechnology Institute, Responsibilities:, Build Left Bionics arm and Industrial robotics arm using 3D printing technology, Implement detection system for kidney abnormality using deep learning algorithms and data mining techniques, Organize workshops on Artificial Intelligence in Ethiopia, Experiment with various kinds of Generative adversarial networks (GAN), Lead and manage Robotics team, Prepare annual Action plan for Robotics and Machine learning directorate, Jun 2014- Mar 2019, Researcher/Programmer, LabsIcog,

Addis Ababa, Responsibilities:, Work on Hanson Robotics project using different Machine/Deep learning algorithms, Experiment with ALICE chatbot and other dialogue systems to improve the performance, Implement movie data visualizer reading from the imdb crawler, Image/video classification using GPU, Object Detection and Identification with caffe framework, R&D; work on General Artificial Intelligence and improving the accuracy of recognition, Carry out tasks using existing machine/deep learning libraries (TensorFlow, Theano, and Caffe), Implement different algorithms on OpenCog which is a framework for developing AI and integrative multi-algorithm systems, Integrating the developed Softwares into the Humanoid robot, Implement detection of various ranges of sounds and consecutive actions to be taken for the Humanoid Robot accordingly, Build and test the integration of Meta-Optimizing Semantic Evolutionary Search (MOSES) with opencog Atomspace, Sep 2011- Oct 2013, Senior engineer, ZTE ICT Technology Co. Ltd, Addis Ababa, Responsibilities:, Working on Database in Customer care and billing system(CC&B;) of Ethio Telecom, Monitoring database efficiency, Sustaining the security and integrity of data, Creating query definitions that allow data to be extracted, Participating in the National Integrated Justice Information System (NIJIS) project by carrying out the following tasks:, Evaluating and understanding of the justice system and its sectors' IT infrastructure and business process re-engineering., Developing flowcharts and specifications, Coordinating among Ministry of Justice and ZTEICT team members, Preparing and Gathering Requirement analysis data through performing survey, Establishing end user requirement analysis, Evaluating AS-IS and TO-BE network infrastructure of the justice system in Ethiopia, Sep 2007- Feb 2009, Junior Electrical Engineer, Ethio-Telecom, Addis Ababa, Responsibilities:, Site Supervisor for a project entitled Fixed Line Next Generation Network(FL-NGN), Coordinate and facilitate survey, Installing new equipment on different sites, Testing and handling compatible issues related with the new network, Work in Internet Service Division Broad Band Unit –SBU, Providing technical support for customers, Assisting customers in administering and handling their broad band Internet service