Archana Patel

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Objective:

To obtain a challenging career in the Computer Science field that will utilize my skills to assist in the growth of an organization.

Education:

Bowie State University, Bowie, MD   Dec 2017

Masters of Science in Computer Science

GPA 4.0

Gujarat Technological University, Gujarat, India   May 2014

Bachelor of Engineering in Electronics and Communication

GPA 3.32

Certifications:
- C++ Associate Programmer Certification (Nov 2016)
- C++ Professional Programmer Certification (In progress)

Skills:
- Programming: C, C++, Java SE, C#, Python, SQL, Shell scripting, HTML, XML Scripting.
- Software: Microsoft Visual Studio, SQL server, Vizard, 3ds Max, Eagle and MS Office Suite.
- Hardware: Micro Autonomous devices Odroid, Raspberry pi, Intel-Edison, Arduino.
- Operating Systems: Linux/Unix, ROS (Robotics Operating System).

Projects:
- PCB designing and implementation of robotics project "Pick and place robot using wireless device ZigBee".
- Compiler designing for own language simpl.
- Database projects for Query Optimization and converting data from XML to readable format (Java, XML).
- Simple Operating System (Created in C++).
- Software development (Created in C++) based on concept of school bus evacuation. And also implemented virtual city with different personality agents such as selfish, hostile, leader following, goal following, etc. using Python programming language.

Experience:

Research Associate   May 2016 - Present

Bowie State University, Bowie, MD.

Collected and analyzed row data from Px4Flow & PixyMon camera sensors in C++/Python programming language. Established the system on Intel Edison to avoid obstacles using collected sensor data.

Graduate Assistant & Adjunct Professor   Feb 2016 - Present

Bowie State University, Bowie, MD.

Assisted students with programming and software related questions and also lead discussions about textbook sections, tutorials, and laboratory questions. Currently an Adjunct Professor in Mathematics Department.

System Administration Assistant   May 2016 – Aug 2016

Bowie State University, Bowie, MD.

Worked in Active directory for creating new upcoming students user accounts on server, installing software and Microsoft updates, handling troubleshooting errors in systems of the network.

Achievements and Presentations:
- First Place on Annual Grant Expo and Research Day (2016) for project of communication between two Raspberry Pi over Wi-Fi, Bowie State University, Bowie, MD.
- Presented Sensor Exploitations in Airborne mobile Robots at MAST capstone event 2017, Aberdeen, MD.