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⇑sagarPanchal

sap586@nyu.edu ●+1 (607) 314-0114 ●Endicott, NY - 13760
https://www.linkedin.com/in/sap586/ ●https://sap586.github.io/LivingSpace/

ABOUT

Self-motivated, independent & organized individual, looking for a Remote Position.

MY PHILOSOPHY

I believe that humanity is the greatest religion and every one has equal right to educate themselves, explore, pursue their dreams and live life to the fullest.
We have to become a better human before we can become a good engineer, scientist or an artist.

EDUCATION

JAN 2016-17	MS, Electrical & Computer engineering - 3.41/4 Polytechnic institute of technology, NYU
JUN 2010-14	BE, Instrumentation & Controls - 7.04/10 Svit, GTU

SKILLS

COMPUTER PROGRAMMING:	Java(primary), c/c++/cs (secondary), git, LaTeX(tertiary), web(html, css, js), desktop(javaFx, awt)
AUTOMATION:	micro-controllers & single board computers, PLCs(ladder-logic, FBD), hmi/scada
INDUSTRIES SERVED:	machineries, manufacturing, control panels, solar energy, Education

WORK EXPERIENCE

SOFTWARE ENGINEER, UNIVERSAL INSTRUMENTS INC., NY *Sep 22 - present*
●Software development for Electronics assembly Machines - Fuzion platform
●tech stack : · CS · C · CPP · Git · Sourcetree ·

AUTOMATION ENGINEER , NOR-CAL CONTROLS, CA *Jan 22 - Jul 22*
○ Automation software for Solar Power-plants
○ tech stack : · Ignition SCADA · GE PLC · SEL-RTAC · Red Lion ·

SOFTWARE ENGINEER - MACHINE AUTOMATION, MINI-CIRCUITS, NY *Feb 18 - Nov 21*
○ Provide software support for pick & place Rotary machines development
○ Web development - Back & Front-end: https://www.minicircuits.com/
○ tech stack : · Java · JavaFX · HTML · CSS · Javascript ·

DEVELOPER INTERN, REVMAX FLEET OPTIMIZATION, NY *Sep - Dec 17*
○ Developed Firmware for SidewalkIQ Sensor using Doppler Radar to monitor sidewalk activities ○
○ Successfully deployed sensors at various NYC locations ○
○ R&D to improve data consistency and efficiency of data storage/transfer to Server for further processing ○
○ tech stack : · Arduino-C ·

INSTRUCTOR (ITEST PROGRAM), ROBOTICS & MECHATRONICS DPT., NYU *May - Aug 17*
○ Mentor to Robotics Club Programming Team for Robotics competitions (First Robotics & Vex Robotics).
○ Teaching concepts of Computer Programming to Robotics Club Team.

LEAD INSTRUCTOR (CREST PROGRAM), CENTER FOR K12 STEM EDUCATION, NYU *Feb 18 - Nov 21*
○ Training High School Interns with Computer Programming (Arduino C), IoT, Robotics & 3D-Printing activities ○
○ AUTONOMOUS CAR (MOUSE IN A MAZE) - STM32 Board: https://github.com/sap586/RTES_Project ○
○ WIRELESS ROBOT CONTROLLER - Arduino: https://github.com/sap586/WirelessRobotDay5Activity ○

DESIGN ENGINEER, PRIMA AUTOMATION, IN *Jun 14 - Jan 16*
○ PLC ○ SCADA ○ Siemens ○ Allen-Bradley ○ Front-end (UX) ○
○ Electrical & Control Panel Layout ○ E-plan ○ AutoCAD ○

TRAINEE ENGINEER, NEOPLAST (I) PVT. LTD., IN *Aug 13 - May 14*
○ PLC ○ SCADA ○ Siemens ○