

## ABOUT

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SELF-MOTIVATED, INDEPENDENT & ORGANIZED INDIVIDUAL.  
QUICK-LEARNER  
IDEALLY LOOKING FOR A REMOTE POSITION.

## EDUCATION

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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

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LANGUAGES: JAVA(PRIMARY), C#(SECONDARY), C/C++, GIT, L<sup>A</sup>T<sub>E</sub>X(TERTIARY),  
WEB(HTML, CSS, JS)  
AUTOMATION: PLCs(LADDER-LOGIC, FBD), HMI/SCADA,  
MICRO-CONTROLLERS & SINGLE BOARD COMPUTERS  
INDUSTRIES SERVED: MACHINERIES, MANUFACTURING, CONTROL PANELS, SOLAR ENERGY,  
EDUCATION

## WORK EXPERIENCE

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- SOFTWARE ENGINEER - AUTOMATION, UNIVERSAL INSTRUMENTS CORP., NY *Sep 22 - present*  
• Supporting Fuzion platform from a software perspective,  
• Providing software upgrades, improvements, bugfixes and releases,  
• Occasional site support, electro-mechanical troubleshooting & (Allen-Bradley) PLC applications.  
Tools & technologies: - VS10-15 for CS & CPP based USOS (Desktop) applications,  
- SlickEdit, Tornado & CMD for C Language based MCOS (VxWorks) application,  
- SourceTree & GitBash as a Software Version Controller,  
- Jira as an agile project management tool
- AUTOMATION ENGINEER, NOR-CAL CONTROLS, CA *Jan - Jul 22*  
◦ Supported automation software development for Solar power plants.  
Tools & technologies: - Ignition SCADA - Python, GE PLC, SEL-RTAC
- SOFTWARE ENGINEER - MACHINE AUTOMATION, SCIENTIFIC COMPONENTS CORP., NY *Feb 18 - Nov 21*  
◦ Provided software upgrades, improvements and bug-fixes for Rotary Machines, Vision Systems and Laser Measurement Systems.  
◦ Web-Development and deployment for the company website <https://www.minicircuits.com/>.  
Tools & technologies: - Apache NetBeans & Tomcat for Java Applications and web deployment  
- HTML-CSS-JS for Web-development  
- JavaFX & awt for Desktop applications  
- Git & Jira as supporting tools
- DEVELOPER INTERN, REVMAX FLEET OPTIMIZATION, NY *Jun 17 - Jan 18*  
◦ Developed Firmware for SidewalkIQ Sensor using Doppler Radar, Particle Device & Arduino-C 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.
- INSTRUCTOR (ITEST PROGRAM), ROBOTICS & MECHATRONICS DPT., NYU *May - Aug 17*  
◦ Mentor to Robotics Club 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 *Sep 17 - Dec 17*  
◦ 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](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 ◦