

Prabal Regmi

92 Callandar Road, Brampton, Ontario, L7A 5E2

416-301-5472

prabal.regmi@gmail.com

TECHNICAL LEAD

TESTING SUPPORT | AGILE EXPERIENCE | PROGRAMMING

SUMMARY OF QUALIFICATIONS

- 6+ years of experience Computer, Electrical, and Electronics Engineering systems design
- Specializes in object-oriented software design, user-oriented interface design, algorithm concepts and data management tools
- Experience in implementing as well as modifying electronics and software systems, assembly, software and firmware product conformance verification in accordance with datasheets, established procedures and best practice
- Excellent written and verbal communication skills in addition to excellent relationship building and prioritizing capabilities
- Strong troubleshooting, problem solving, and analytical skills by isolating a problem and gathering information
- Computer skills include proficiency in Microsoft Word, Excel, PowerPoint, etc.

EDUCATION

Software Engineering Technology Co-op Advanced Diploma Jan. 2021 – Present
Centennial College, Toronto, ON *Expected graduation December 2022*

Electronics Engineering Technology Advanced Diploma Sep. 2008 – Apr. 2011
Seneca College, Toronto, ON

KEY SKILLS

Programming languages: Java, C#, SQL, MATLAB, Simulink, C, C++, Atmel Studio, Arduino IDE, MPLAB X IDE, Python, Ubuntu, Maple, SDLC

Engineering design and analysis: PID tuning, PLC, sensors control, EAGLE CAD, Altium, CATIA V5, AutoCAD, Gerbv, Cam350, various simulation software

Other: Fiber splicing, MS Office Suite (Word, Excel, PowerPoint, Access, Project, Visio), MS Teams, Outlook, social media, e-mail, GitHub, Oracle, Wrike, valid and clean Ontario G driver's license, Software engineering, Networking, Systems integration, Software testing, Technical support, Electronics Engineering Technology, Computer Engineering

PROJECT WORK

Wireless Doorknob Controller Mar 2011
Seneca College, Toronto, ON

- Designed software program to control the doorknob from a cellphone
- Compiled, and debugged software to achieve desired outcome

Drone & its Accessories Design Aug 2013 – Dec 2020
DreamQii Inc, Toronto, ON

- Programmed, debugged, and implemented various microcontrollers and microprocessors used for the drone and its accessories
- Programmed, designed and implemented test jigs to test drone's components; collected data to design the components to meet necessary specifications

RELATED WORK EXPERIENCE

Electrical Engineering Analyst

Aug 2013 – Dec 2020

DreamQii Inc, Toronto, ON

- Designed and programmed GPS and radio communication systems; and integrated them into making of UAV's electronics system
- Designed, programmed and implemented SPI, SWD, JTAG, I2C, SPI, UART, USART, CAN bus, and other communication systems between Flight controller and sensors/radio
- Designed, tested, verified, implemented, programmed, and redesigned electronics circuitries (schematics designs to PCB implementations) using – datasheets, simulation software, breadboards, Eagle CAD, Altium, PCBs, test chambers, and coded embedded software
- Contributed to design and physical construction of UAV's various electronic circuitry, sensors, its testing gigs, and programmed controlling software
- Collaborated with and supervised engineers/engineering interns to research and design UAV and its parts
- Prepared and presented numerous reports by compiling project data to support the Preliminary Design Review, PID tuning, Critical Design Review, and Post Flight Review

OTHER WORK EXPERIENCE

Technical Support Consultant

Aug 2018 – Present

Rogers Communications Inc, Toronto, ON

- Troubleshoot customers' technical issues, providing solutions over the phone
- Proven record of consistently satisfied customers due to effective technical solutions, resulting in recognition from leadership
- Collaborate with different departments to resolve the technical issues effectively
- Worked in a fast-paced environment with shifting priorities and with minimal supervision

Technical Support Specialist

Jan 2012 – Aug 2013

Bittele Electronics Inc, Toronto, ON

- Reviewed PCB fabrication and assembly orders; conducted test procedures, problem reports, and provided feedback to clients
- Helped customers with new designs and design modifications
- Provided recommendation to customers for suitable and efficient parts for their designs
- Supported and advised clients on their PCB designs; and communicated with internal production team on the designs and production stages

Fill Crew / Sales Associate

May 2008 – Apr 2011

Canadian Tire, Toronto, ON

- Worked in a fast-paced environment with shifting priorities and minimal supervision
- Merchandised goods and provided superior customer service

CERTIFICATIONS

Certified Engineering Technologist (CET)

Mar 2011 – Present

Ontario Association of Certified Engineering Technicians and Technologists (OACETT), Toronto ON