RACHIT SHAH

1B Honours Electrical Engineering

(905)-609-8245 – r38shah@uwaterloo.ca

PROFILE

- Firsthand experience with oscilloscopes, digital multimeters and circuit board soldering
- Knowledge and experience with Java, C#, VHDL, HTML, CSS, JavaScript, SQL and XML
- Years of refined computer skills including the use of Microsoft Office, AutoCAD 2D and 3D, Photoshop and SharePoint
- Background in Android programming and app development
- Ability to easily troubleshoot and identify problems
- Exceptional verbal and written communication skills
- Strong problem solving and leadership skills developed through work and volunteer experience

EXPERIENCE

Process Engineer: Vins Plastics Ltd., Jan 2015 – April 2015

- Responsible for creating wiring schematics and plant layout drawings using AutoCAD
- Performed quality assurance on various materials including finished pouches
- Developed and programmed ecommerce website for company products
- Assisted in integration of paperless logistics system through refinement and reorganization of company procedures, formulations and test methods.
- Developed custom SharePoint applications to help increase company efficiency

Vice President: Knots Inc., Nov 2013 – May 2014

- Elected as Vice President of Junior Achievement company
- Worked with different departments while managing own team of seven to create company and sell products
- Learned to collaborate effectively with a team to successfully increase share price by 50%

Volunteer Camp Leader: River Grove CC., July 2012 – March 2014

- Assisted in the organization and coordination of daily activities
- Gained valuable interpersonal skills through training

ACTIVITIES AND INTERESTS

Waterloo Aerial Robotics

- Worked on modifying and improving autopilot board of remotely operated aircraft
- Grown knowledge of vehicle electronics

Bluetooth RC Car

- Used Arduino microcontroller to integrate various components and sensors
- Car is controlled by a self-developed Android application
- Designed and soldered own motor controller board
- Gained understanding of Bluetooth communication and Arduino integration

EDUCATION

Candidate for Bachelor of Applied Science

- Relevant courses include: Eng. Design and Embedded Systems, Digital Circuits and Systems

Mississauga Secondary School

- Awarded University Level Physics Award

Relevant Project: Catapult, Physics

- Researched creative design and drafted catapult using AutoCAD
- Constructed catapult with a team under a short two week time frame
- Awarded for most efficient design in terms of energy transfer
- Created own website to document entire process and to display analysis of final projectile results