HOME: 829 STARGAZER DR. MISSISSAUGA, ONTARIO CANADA, L5V 1C5 PHONE (905) 507-9303 SCHOOL: 298 UNIVERSITY AVE. APT #2 KINGSTON, ONTARIO CANADA, K7L 3R3 PHONE (613) 532-8558

E-MAIL: 9JWC@QLINK.QUEENSU.CA

JASON CHENG

OBJECTIVE

Honda's Racing Heritage is synonymous with high performance. I speak high performance. I have a passion for winning, and for pushing the limits of physics and engineering. My main goal is to do design and development for Honda Motorsports.

EDUCATION

Sept. 2000 – To Date

Queen's University

Kingston, Ontario

Engineering Physics, Electrical Engineering Option

- 4th Year (Graduation date April 2004)
 4th Year thesis: 2003-2004 Queen's Formula SAE Race car Full vehicle dynamics modeling
- <u>Courses include:</u> Semiconductor Physics, Electronics II, Applied Mathematics, Material Science and Engineering, Nuclear Physics, Physics of Nuclear Reactors, Economics, Project Management and many more.

LANGUAGES

English and fluent in spoken Cantonese

PROFESSIONAL EXPERIENCE

May 2003 - Current

Nuclear Safety Solutions Ltd. (www.nuclearsafetysolutions.com)

Toronto, Ontario

Safe Operating Envelope (SOE) Project, Systems Analyst

- Analyzed various safety systems and determined their safe operating envelope/limits
- Creator of Operational Safety Requirements (OSRs) for critical safety systems
- Room environment calculations for equipment used to monitor vital safety systems.

May 2002 - Sept. 2002

RCM Technologies Canada Corp. (eqnow.rcmt-barts.com)

Mississauga, Ontario

Bruce Nuclear Generating Station Reactor A Restart, Technical Specialist

- Coordinated the cable replacement program for entire project
- Custodian of the Environmental Qualification component list, and other safety essential systems and components that were in need of replacement or maintenance
- Analyzed existing nuclear safety systems and upgrade or integration of new systems and or components
- Examined vital safety systems throughout Bruce A nuclear plant, including but not limited to: Emergency Filtered Air Discharge (EFADS) systems, Pressure Trip (P-Trip), Various pressure and temperature transmitters, Hydrogen Igniters, Tritium samplers, Qualified Power Supply (QPS), Flux Detectors, Ion Chambers and other systems

May 2001 - Sept. 2001

Ontario Power Generation (www.opg.com)

Toronto, Ontario

Environmental Qualification (EQ) Project, Nuclear Operation Support Staff (NOSS), OPG Nuclear, Design Engineer

- Detailed engineering analysis of nuclear safety related systems and components
- Designed and analyzed, including specifications, compliance with codes and standards (IEEE, CSA, etc.)
- Integrated and or implemented nuclear safety systems, including economic fe asibility, cost/benefit analysis, quality assurance implementation, and technical feasibility
- Was involved with project analysis, including scope and operating conditions, safety and environmental issues, economic feasibility, and technical merit
- Conducted EQ testing of nuclear safety related components, including techniques and methodology

INTERESTS / EXTRA CURRICULAR ACTIVITIES

- 2003-2004 Queen's University Campus Recreation Committee
 - Represented the interests of students in recreational sports offered at Queen's University senate.
- 2003-2004 Queen's University Recreational Tennis Club President & Vice President in 2002-2003
- MSOC Push-It-To-The-Limit Autoslalom Series (http://www.wiredmotorsports.com/pitl/)
- Technical advisor for Queen's University Formula SAE Racing Team (http://engsoc.queensu.ca/formulacar/)