

Ahmed Khan

Electrical Engineer seeking a one- to three-year contract with an engineering consulting firm working in a developing country as a junior consultant or associate. Possess a unique blend of technical abilities and understanding of the humanities—with previous international experience.

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Education – Focus on Engineering and Management

Bachelor of Applied Science (Honours) in Electrical Engineering (Co-op) with Management Science Option

UNIVERSITY OF WATERLOO – Waterloo, ON, Canada (05/2018)

Praised as Canada's best engineering school, the University of Waterloo is internationally recognized for its pioneering co-op programme, which gives students two full years of practical experience by graduation.

Course Specialization

- **Power Systems** – Advanced courses in large-scale power generation, transmission and distribution
- **Management Science** – Option includes operations research, economics and organizational behaviour

Major Design Project

- **Autonomous Bicycle** – Responsibilities as a member of the four-person design team included writing all project documentation, making formal presentations to faculty and industry, managing the project budget and timeline, and designing the control system for the bicycle.

Professional Development – Focus on International Development

International Development Management Seminar

AGA KHAN FOUNDATION CANADA – Ottawa, ON, Canada (07/2018 – 08/2018)

- This intensive 200-hour course serves as a strong foundation for young professionals beginning a career in international development. Nobel Prize nominees, prominent politicians, government officials, professors, NGO executives, consultants and field staff taught topics such as principles of development, organizational and project management and intercultural effectiveness.

Engineers Without Borders National Conference

EWB – Waterloo, ON, Canada (02/2018)

- This three-day conference included panels, workshops and several prominent speakers covering a wide range of topics including international development theory, case studies of successful projects, and the role of Canadian engineers in the developing world.

Work Experience – Information Technology for International Development

Fellow in International Development Management

BRAC – Dhaka, Bangladesh (10/2018 - 06/2019)

- Wrote a \$7 million US proposal to the UNDP to expand BRAC's rural IT education project
- Performed an assessment of the existing IT project resulting in several well-received recommendations
- Developed a strategy paper for the IT project and a corresponding five-year operational plan
- Redesigned the entire monitoring process for BRAC's Continuing Education Programme, including a new reporting manual for field staff and a database in the head office used to analyse all of the incoming field data

Visiting Teacher

AGA KHAN EDUCATION SERVICES – Northern Areas, Pakistan (05/2017 – 08/2017)

- Volunteered in a higher secondary school, teaching Computers and Physics to Grade VIII – X students
- Focused on the capacity development of teachers with respect to the effective use of computers
- Developed a curriculum for an introductory computer course, taking into account the capacity of the teachers and unique needs of the students

Work Experience – Demonstrating Analytic and Project Management Skills

Program Manager – Intellectual Property

MICROSOFT CORPORATION – Redmond, WA, USA (08/2017 – 12/2017)

- Responsible for managing the new Information Rights Management (IRM) feature for MS Office 2016
- Coordinated the efforts of software developers and testers by prioritizing their tasks based on my analysis of test results
- Reached agreement with Windows Security Platform Team to modify their requirements for Office
- Persuaded other teams to make design changes to accommodate the IRM feature

Software Designer

MITRA IMAGING INC. – Waterloo, ON, Canada (09/2016 – 12/2016 and 01/2018 – 05/2018)

- Member of the development team of DS3000, an NT-based medical imaging workstation
- Wrote routines to convert images from the medical industry standard (DICOM) to JPEG
- Developed and integrated 12 new features to help radiologists diagnose images

Research Analyst

HAMILTON REGIONAL CANCER CENTRE – Hamilton, ON, Canada (08/2017 – 12/2017)

- Worked with a team of medical physicists and doctoral candidates in the optical diagnostics lab
- Analysed experimental data using spectral and statistical methods in MATLAB
- Designed and performed successful experiments in the field of radiology
- Wrote a report on the viability of heart rate variability as a pain indicator which was used in a successful proposal to fund further research

Telecommunications Engineer

AVIAN ENGINEERING INC. – Toronto, ON, Canada (01/2017 – 04/2017)

- Worked closely with a professional engineer to implement and test large-scale wide area networks
- Analysed test data acquired from several hundred locations
- Researched and reported on the viability of radio and satellite data networks for our biggest client

Purchasing Manager

TOTAL COMPUTER SERVICES INC. – Port Coquitlam, BC, Canada (07/2013 – 08/2015)

- Prepared hardware and service quotes for small business clients
- Effectively managed hardware inventory and placed all orders to suppliers
- Developed custom-built purchase order system in MS Access

Volunteer Activities – Demonstrating Leadership Skills

Vice President Research – ENGINEERS WITHOUT BORDERS (WATERLOO CHAPTER)

- Evaluated potential EWB research projects and assembled teams to complete the research
- Acquired financial resources for EWB research projects
- Administered Waterloo's overseas internship programs

Chairperson – WATERLOO ISMAILI STUDENTS ASSOCIATION

- Elected to the WISA executive or appointed as an officer every semester for four years
- Organised dozens of successful educational and social events for up to 300 people
- Managed communications and facilitated relationships with other campus organizations

Director – FOOTPRINTS CAMP

- Planned and implemented two three-day camps for 18 - 25-year-olds in summer 2016
- Managed a team of eight counsellors
- Developed a marketing plan, initiated staff training program and designed camp program

Personal Information

Nationality: Canadian, born and raised in the province of British Columbia

Ethnicity: South Asian, of Gujarati descent

Religion: Islam

Marital Status: Single, no dependents

Mobility: Available for short- and long-term overseas assignments

Cross-Cultural Abilities

- **Extensive travel** to visit friends and family across North America, Western Europe (England, France, Portugal), East Africa (Uganda, Tanzania, Kenya) and India. Staying for extended visits with country residents provided opportunities to understand local cultures and customs.
- **Connected to many different societies** due to a Western upbringing by parents who were born in Africa, and grandparents who were born in India, tied together by the Muslim faith. Such connections facilitate quick bonding with local people on four continents.
- **Culturally adaptable** to new settings with the ability to live in rural and urban areas, in crowded and isolated places, in comfortable environments or in places without amenities.

Linguistic Ability

English: Fluent in speaking and comprehension, and reading and writing

Gujarati: Conversational in speaking and comprehension and advanced in reading and writing

Bengali: Conversational in speaking and comprehension and intermediate in reading and writing

Hindi: Beginner in speaking and comprehension

Arabic Intermediate in reading and writing

References available upon request.