## Contact

5530 Kings Road, Vancouver, BC
6044450982 (Mobile)
ammar-rehan@outlook.com

www.linkedin.com/in/ammar-rehan-03797a114 (LinkedIn)

## Top Skills

Electrical Engineering
Microsoft Office
Field-Programmable Gate Arrays (FPGA)

## Languages

Hindi (Native or Bilingual)
English (Native or Bilingual)
Urdu (Native or Bilingual)

## Certifications

Microsoft Certified Azure Fundamentals

## Honors-Awards

Chancellor's Scholar Award
Outstanding International Student Award

# Ammar Rehan

Incoming Electrical Engineering Graduate seeking a challenging full-time graduate position
Vancouver, British Columbia, Canada

## Experience

**TECHPOS International Corp.**
Capstone Consulting Engineer
September 2019 - Present (6 months)
Vancouver, Canada Area

- Developed a smart inventory solution, intended for small businesses, by using weighted containers and Zigbee wireless communication protocol, via edge device.
- Used Microsoft Azure IoT Hub to receive, display and store weight and product count for each 'smart' container.
- Automated end-to-egde and edge-to-cloud live data tracking. Instantiated and tested multiple prototype devices.

**University of British**
Research Assistant
June 2019 - August 2019 (3 months)
Vancouver, Canada Area

- As a research assistant in the Advanced Materials Process Engineering Laboratory, experimented with different mechanical exfoliation methods and substrates to isolate monomers of Graphene, Molybdenum Disulfide and Tungsten Diselenide.
- Mechanically stacked monomers creating PN-junctions further developing into advanced 2D solar cells.
- Designed and implemented a data collection and management process relying on collaboration using remote access and cloud storage for storage and easy access of acquired data. This resulted in increased collaboration between researchers and improved data collection methods, reduced data loss exponentially and boosted productivity by over 300%.
- Helped develop python script to remotely control linear DC Servo-motors for microscope analysis inside glovebox. Also used motors remotely for monomer stacking.

**Sylvia Hotel and Restaurant**
Line Cook

August 2017 - January 2018 (6 months)
Vancouver, Canada Area

- Managed grill and deep-fry stations strengthening my time and resource management skills, with no prior experience and minimal training.
- Demonstrated effective communication skills and teamwork to serve excess of 1500 dishes in one shift during peak times with a total staff of four.
- Took initiative and streamlined inventory management, equipment cleaning and maintenance by refining closing protocol, resulting in a time decrease of over 57%.

Rehan Mobin and Company (Pvt) Ltd.
Writer
June 2015 - August 2015 (3 months)
Karachi, Pakistan

- Worked with surveyors to edit and proof-read insurance claim reports. Managed to service a group of 25 surveyors and edited upwards of 60 reports in a day.
- Educated new surveyors about English grammar and report writing techniques. Developed a methodical system to check reports for grammatical and structural errors which resulted in higher productivity and reducing proof-reading times by about 40%, increasing productivity by over 70%.

Hewlett Packard Enterprise
Project Management Intern
June 2014 - August 2014 (3 months)
Karachi, Pakistan

- As a mentee to senior project manager, assisted the project manager in drafting a statement of work, risk registry, conducting risk analysis and creating Gantt charts using online tools.
- Demonstrated teamwork and effective time management to produce timely results.

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## Education

The University of British Columbia
BASc. Electrical Engineering , Electrical and Electronics
Engineering · (2015 - 2020)

The Lyceum
 · (2013 - 2015)