

MOKARROM (MAC) RAHMAN, EIT

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COMPUTER SKILLS

- Software development experience with C# (.NET Framework), C, and Python.
- Android application development using Java within Android Studios.
- 2D game development using C# within Unity.
- Web application development using HTML5, CSS, JavaScript, PHP, AJAX, and ASP.NET with RESTful web services using JSON.
- Able to create and maintain MySQL and Microsoft SQL Server databases.
- Proficient in using Git and SVN for software version control.
- GitHub: <https://github.com/mokarromrahman>
- Classroom Websites:
 - <https://thor.net.nait.ca/~mrahman3/CMPE2000/>
 - <https://thor.net.nait.ca/~mrahman3/CMPE2500/>

CURRENT PROJECTS

"CODEVID-19" Hackathon – The Adventures of Staying Home

- Built a "Frogger" style Android and PC game in Unity with C# designed to show which objects are most likely to contribute to the spread of viruses and germs.
- Designed and implemented the layout of the game objects, movement of the objects, and awarding/removing points when collecting positive/negative items.

Receipt Tracker

- Designing and building an Android application using Java in Android Studios to track and store receipts.
- Using a LAMP stack with RESTful webservices to store information about user, transactions, as well as categories and locations of transactions.
- Utilized third party API to read information about cities, provinces/states, and countries to save as part of the location of the transactions.

EDUCATION

Computer Engineering Technology – NAIT

Sept. 2018 – May 2020

- Graduated the Computer Engineering Technology program with a 4.0 GPA and was placed on the Dean's Honour List for the 2018 – 2019 and the 2019 – 2020 school years.
- Relevant courses: Capstone Design Project, Object Oriented Programming, Databases, and Web Development, Algorithms and Data Structures.

BSc. Materials Engineering Degree – University of Alberta

2012 – 2016

- Experienced in compiling and reviewing technical reports.
- Research and design analysis experience through various projects.

PROFESSIONAL DEVELOPMENT

- LinkedIn Learning – React.js by Eve Porcello
- Coursera – Machine Learning by Stanford University

WORK EXPERIENCEGo Nissan South

Nov. 2017 – March 2020

Administrative Assistant

- Implemented and improved upon invoice and secure files organizational system.
- Aided the administrative and accounting departments in the organization of client deal files, invoices, and vehicle packages containing keys and manuals.
- Ensured the privacy and confidentiality regarding the clients' personal and financial information.

University of Alberta – Chemical and Materials Engineering

March – Sept. 2018

Research Assistant

- Analyzed various computational fluid dynamics (CFD) and heat transfer cases.
- Reviewed literature on various topics regarding unsteady heat transfer between particles.
- Researched heating of particles through contact area for CFD analysis.

Telus World of Science Edmonton

March – Aug. 2017

- Presented science education programs to school groups and teachers in a knowledgeable, engaging, and safe manner.
- Liaised with group leaders and teachers to promote on-going relationships as well as participated in assessment, evaluation, and development of science education programs.

DiscoverE Science Summer Camp – Science, Technology, Engineering and Math (STEM)*Senior Instructor*

2012 – 2015 (Summers)

- Continual growth from Junior Instructor, Camp Instructor, and finally to Senior Instructor over three years.
- Orchestrated the development and presentation of STEM principles for 10,000+ youth.
- Dealt with safety concerns and chemical spill emergencies.
- Led interdisciplinary teams of up to 15 people throughout Alberta and Northwest Territories to deliver STEM programming.

VOLUNTEER EXPERIENCEUniversity of Alberta*Assistive Technology Labs, Faculty of Rehabilitation Medicine*

March 2018 – Jan. 2019

- Assisted in redesigning laboratory website and tested programs used in assistive programs for children with physical disabilities.
- Peer reviewed research papers which were written for journal publication.

Orientation

Sept. 2013 - 2015

- Promoted integration of new students to the academic and social environment of the University of Alberta.

ADDITIONAL INFORMATION

- Registered as an EIT with the Association of Professional Engineers and Geoscientists of Alberta (APEGA).
- Standard First Aid & CPR Level C Training (expires July 2020)