SAMAD CHAN

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WORK EXPERIENCE

Cloud Infrastructure Operations Developer *Jan 2022 – Present*
NASDAQ, Toronto, ON
- ➢ Architecting cloud infrastructure for the worlds' leading anti money laundering and fraud detection software
- ➢ Using Terraform, Chef, Splunk, Akamai, Python, Bash, and many AWS Service (EC2, S3, Lambda, Route 53, Beanstalk, Load Balancers, Relational Database, Workspaces, etc.)

Full Stack Software Developer *Apr 2019 – Jan 2022*
Verafin Inc., St. John's, NL
- ➢ Lead the Loss Management project for about 3,000 banks while adding features, and terminating existing bugs
- ➢ Used Layered Architecture, PostgreSQL, Java, SCSS, Marionette.js, Dust.js, JQuery, Ajax

Chief Technology Officer and Co-founder *Nov 2018 – April 2019*
Seafarm, St. John's, NL
- ➢ Developed an app using Android Studio to auction fishes in Newfoundland
- ➢ Presented at Startup, NL 2018 and won the competition, raising $1,500

EDUCATION

Master of Science (Thesis Option) *Sept 2022 – Present*
Computer Science
Toronto Metropolitan University, formerly Ryerson University
- ➢ Graduate Program Council – MSc Representative (Thesis option 2022-23)

Bachelor of Science *Sept 2017 – Dec 2020*
Double Major in Computer Science and Pure Mathematics
Memorial University of Newfoundland
- ➢ Mathematics and Statistics Society – Science Representative (2018-2019)

PROJECTS

VR Chess (Personal Project) *Dec 2021 – Feb 2022*
A virtual reality application to play chess
- ➢ Allowed users to play chess on a virtual board and interact with chess pieces using their hand
- ➢ Used Unity and C# - tested on Oculus Quest 2

The Classics!... (Personal Project)   *Oct 2021 – Jan 2022*
A chrome extension that lets you play classic games on top of any webpage
➢ Uses JavaScript, HTML5, CSS, Google Chrome's chrome API
➢ Check It out at this [link to chrome extension](#)

Image Processing (Class Project)   *Jan 2019 – Apr 2019*
Multiple desktop applications implementing image processing algorithms

➢ Used Java Swing GUI and implemented image processing algorithms
➢ Implemented Intensity transformation, Histogram operations, Smoothing and Sharpening filters, Fourier transform, Edge and Corner detection, Hough transform, and Digital half toning algorithms.

Portfolio Website (Personal Project)   *Jun 2019 – Jan 2022*
A portfolio website made from scratch
➢ Visit at samadanc.com
➢ Uses Terraform, AWS, HTML, CSS (Bootstrap), Vanilla JavaScript, JQuery

TECHNICAL SKILLS

Languages:	Python, Java, C, C++, HTML5, CSS, JavaScript, PostgreSQL, PL/SQL, Verilog, ARM, MATLAB, LaTeX, R
Tools & Frameworks:	Flask, TensorFlow, NumPy, MongoDB, Node.js, React, Dust.js, Marionette.js, JQuery, Ajax, Bootstrap, Query DSL API, Apache Tomcat Server, Android Studio, Amazon Workspaces
Other:	Full-Stack Android, Web, and Software Development; Database Management; Data structure and Algorithm design

VOLUNTEERING EXPERIENCE

Python Instructor   *Sept 2020 – Jan 2021*
Aga Khan Economic Planning Board (AKEBP), Remote
➢ Taught Python to more than 100 registered students from more than 20 different countries, raising more than $2,000 going towards AKEBP.
➢ Here is a link to the tutorial's website: https://www.cs.mun.ca/~samadanc/tutorials/

Teaching Assistant   *Jan 2018 – June 2018*
LEARN, Brother Rice Junior High, St. John's, NL

➢ Taught basic computing and mathematics to refugee students from Syria
➢ Awarded a bronze medal from Volunteer Incentive Program, Student Volunteering Bureau at Memorial University of Newfoundland