

SAMAD CHAN

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WORK EXPERIENCE

Cloud Infrastructure Operations Developer

Jan 2022 – present

Verafin Inc. (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 Web Developer

Apr 2019 – Jan 2022

Verafin Inc. (NASDAQ), St. John's, NL

- Lead the Loss Management project for banks, added cool features, and terminated existing bugs
- Used 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

Teaching Assistant

Sept 2018 – Dec 2018, Sept 2020 – Dec 2020

Memorial University of Newfoundland, St. John's, NL

- Corrected assignments and invigilated exams for Calculus I and Calculus II
- Worked under Dr. Daniela Silvesan

EDUCATION

Bachelor of Science

Sept 2017 – Dec 2020

Double Major in Computer Science and Pure Mathematics
Memorial University of Newfoundland

PROJECTS

VR Chess (Personal Project)

Oct 2021 – Jan 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#

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 www.cs.mun.ca/~samadanc/website_prototype/
- Uses 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 our 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