

# SAMAD CHAN

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[github.com/samadanc](https://github.com/samadanc)   
[samadanc.com](https://samadanc.com) 

## WORK EXPERIENCE

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### 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

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### Bachelor of Science

Sept 2017 – Dec 2020

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

## PROJECTS

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### 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 [samadanc.com](http://samadanc.com)
- Uses Terraform, AWS, HTML, CSS (Bootstrap), Vanilla JavaScript, JQuery

**TECHNICAL SKILLS**

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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**

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**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