

SAMAD CHAN

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EDUCATION

Bachelor of Science

Sept 2017 – Dec 2020

Double Major in Computer Science and Pure Mathematics

Memorial University of Newfoundland

WORK EXPERIENCE

Full Stack Software/Web Developer

Apr 2019 – present

Verafin Inc., St. John's, NL

- Adding features to the world's leading anti-money laundering and fraud detection software
- Using SQL, Java, SCSS, Marionette (JavaScript Library), Dust (HTML templating Engine), jQuery, Ajax, and Amazon Workspaces

Chief Technology Officer and Co-founder

Nov 2018 – April 2019

Seafarm, St. John's, NL

- Developed an app using Android Studio, Java, and XML to auction fishes in Newfoundland
- Presented at Startup, NL and won the competition, raising \$1,500

Undergraduate Students Tutor

Jan 2018 – April 2019

Student Service Office, Memorial University of Newfoundland

- Taught computer science and mathematics to first-year undergraduate students

Teacher Assistant

Sept 2018 – Dec 2018,

Memorial University of Newfoundland

Sept 2020 – Dec 2020

- Worked under Dr. Daniela Silvesan, correcting papers and invigilating exams for Calculus I and Calculus II

PROJECTS

Portfolio Website (Personal Project)

Jun 2019 – present

A portfolio website

- Visit at www.cs.mun.ca/~samadanc/website_prototype/
- Uses HTML, CSS (Bootstrap), Vanilla JavaScript, JQuery

Classic Games and more!... (Personal Project)

Dec 2020 – Present

A chrome extension that lets you play classic games

- Uses JavaScript, HTML, CSS, and Google Chrome's chrome API
- Allows you to play classic games like snake, Dave, minesweeper, etc. (all personally implemented) over any webpage

Blog (Personal Project)

Dec 2018 – Feb 2019

A website that lets a user post and view blogs

- Uses Python Flask framework, HTML, CSS, and Bootstrap framework

Image Processing (Class Project)

Jan 2019 – April 2019

Multiple desktop applications implementing image processing algorithms

- Used Java GUI to implement 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.

TECHNICAL SKILLS

Languages:

Python, Java, C, C++, HTML, CSS, JavaScript, PostgreSQL, PL/SQL, Verilog, ARM, MATLAB, LaTeX, R

Frameworks & Tools:

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

Software Developer

Jan 2019 – April 2019

Ready for STEM, Memorial University, St. John's, NL

- Honed website designing skills
- Attended weekly meetings to collaborate

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