

Shamanth Chedde

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Skills

Technical: Python, R, Java, SQL, C, Linux,

Git, MongoDB, SAS, NoSQL, HTML, CSS, JavaScript, React

Tools: Excel, R Shiny, Microsoft Power BI, SharePoint, PowerPoint, Word, IBM Watson

Knowledge: Data Scraping, Regression Analysis, Data Mining, Data Visualization, Data Structures, Data models, Object Orientated Programming

Interpersonal: Communication, Analytical, Problem-solving, Leadership, Teamwork, Project Management

Spoken Languages: English, Conversational French

Education

Honours Bachelor of Science, Candidate

Anticipated Graduation Date: Jun 2021

University of Toronto

cGPA: 3.20/4.0

Major in Computer Science (Co-op), Double Minor in Statistics and French, 4th year

- Relevant courses: Regression Analysis, Statistics, Linear Algebra, Calculus, Introduction to Computer Science

Data Science Work Experience

Business Data Analyst (Co-op)

May 2019 – Aug 2019

CIBC, Toronto, ON

- Analyzed project data to design project workflow that will improve team performance by 2%
- Performed cost-effective analysis on over 1000 reports to minimize the cost of data migration

IT Architect/Business Analyst Assistant (Co-op)

Sep 2018 – Dec 2018

Ministry of Education, Toronto, ON

- Implemented document parsing algorithms in Java to boost the accuracy of search results by 8%
- Performed weekly dashboard testing on Power BI reports to increase data quality by 5%

Research Assistant

Jun 2018 – Aug 2018

Flourish Program, University of Toronto Scarborough, Toronto, ON

- Cleaned large data sets using Excel (pivot tables, IF statements) to prepare data for analysis

Research Assistant

Sep 2017 – Dec 2017

Olsen Lab, Rotman Research Institute, Toronto, ON

- Developed Python scripts to extract, clean and analyze brain imaging data from an online database

Data Science Projects/Competitions

Human-Computer Interaction Project

May 2020 – Aug 2020

- Collected and analyzed data on user needs to identify problems faced in post-graduate studies
- Developed and tested a prototype to assess the usability of the proposed solution

NBA Fantasy Sports Dashboard (Personal Project)

Apr 2020

- Implemented Python scripts to collect performance data online of over 500 players
- Developed regression model that best predicts the statistics of a player
- Created dashboard using R Shiny to interactively visualize predictions made by data model

The BRIDGE Hackathon (Placed 1st Place)

Feb 2019

University of Toronto Scarborough, Toronto, ON

- Analyzed demographic and sales data to create marketing strategy that will increase attendance at sporting events

Brock Datathon,

Sep 2017

Brock University, St. Catherine's, ON

- Formulated mathematical model using a dataset of over 79 variables to predict house pricing

Additional Work Experience**Research Assistant**

Jan 2020 – Mar 2020

CMS Undergraduate Research Group, University of Toronto Scarborough, Toronto, ON

- Developed Python scripts to automate the collection of bibliographic data on published papers
- Implemented new features to improve the design and functionality of the research group's website
- Designed a workflow to easily maintain and update the website

Special Projects Software Developer

Sep 2019 – Apr 2020

The BRIDGE, University of Toronto Scarborough, Toronto, ON

- Implemented a user-friendly website with React for researchers to easily upload and analyze data
- Investigated issues in code to improve functionality and efficiency of website

Business Analyst (Co-op)

Jan 2018 – Apr 2018

Workplace Safety Insurance Board, Toronto, ON

- Oversaw production of a new branch SharePoint site and dashboard to display branch information
- Produced business requirement documents to provide developers specifications of the product
- Wrote detailed concept documents to collect information on proposed system enhancements

Get Started Coach

May 2017 – Sep 2017

Academic Advising and Career Center, University of Toronto Scarborough, Toronto, ON

- Facilitated group activities and discussions to help students prepare for their first year of university
- Presented university policies to over 100 students and parents to provide academic information
- Coordinated daily activities for the Get Started program in a team of 20 people

Additional Projects/Competitions**Blackjack Mobile Game (Personal Project)**

Jan 2018 – Apr 2018

- Created an Android application of the card game Blackjack using software design techniques to ensure clean structure and efficiency of code

Mobile Shopping Application in Introduction to Software Design

Nov 2017 – Dec 2018

- Collaborated in group of 5 to create an Android shopping application using Java
- Enhanced user-experience by implementing a voice recognition feature to the application

Towers of Anne Hoy in Introduction to Compute Science II

Jul 2017

- Analyzed different recursion strategies to find the most efficient algorithm that simulates how to solve a variant of the Towers of Hanoi problem in the least amount of steps

UTSC Coding Competition,

Mar 2017

University of Toronto Scarborough, Toronto, ON

- Developed algorithms using complex data structures to efficiently solve mathematical case studies
- Identified errors in code through debugging and creating test cases for applications

UTSC Stock Exchange Competition

Sep 2016 – Nov 2016

University of Toronto Scarborough, Toronto, ON

- Examined stock market trends to make informed transactions and manage stable portfolio

Teaching Experience**Part-Time Tutor**

Mar 2019 – present

- Preparing lesson plans to teach high school students topics in mathematics and computer science
- Assisting students by explaining difficult concepts improve their understanding of course material

Volunteer Experience

Steering Committee Member

May 2019 – Aug 2019

CIBC, Toronto, ON

- Organized social events in a team of 30 to enhance the work experience of over 100 co-op students

Campus Tour Guide

Oct 2016 – Apr 2019

Admissions and Student Recruitment, University of Toronto Scarborough, Toronto, ON

- Presented guided tours to promote the university campus to students and parents
- Provided detailed answers to questions asked by visitors to clarify their doubts
- Ensured all members were comfortable by attending to those with special accommodations

First-Year Peer Mentor

Sep 2017 – Dec 2017

Department of Student Life, University of Toronto Scarborough, Toronto, ON

- Built strong relationships with mentees to make them feel welcome in a new environment
- Led mentees in activities and group discussions to ease their transition to university