Sunil Cotterill

Management Engineering, University of Waterloo | scotteri@uwaterloo.ca | linkedin.ca/in/sunilcotterill

Relevant Experience

Backend Developer, MyAdvisor, Royal Bank of Canada

Remote | May – Aug. 2020, Jan – Present

Worked in Agile team to update MyAdvisor application backend to improve experience for users in retirement, using java, SQL maven gradle and spring frameworks to add/update features

Created new MyAdvice summary PDF using JasperSoft Studio to improve client experience

Designed Spring application using Java and Maven to sync two applications consuming both RESTful and SOAP APIs, facilitating communication between internal and external services

Wrote over 50 JMeter load tests to determine performance and find bottlenecks in new service

Developed Java unit tests for Spring microservices ensuring proper functionality

Director, Industry 4.0 Design Team

University of Waterloo | Dec. 2019 – Present

Responsible for leading design team of over 30 people in running a national high school competition

Responsible for: organizing sponsorship, liaising with professors, facilitating meetings, and project management

Competitive Debate, Various

Brentwood College School, University of Waterloo | Sept. 2017 – Present

Developed strong public speaking skills through competitive debate

Qualified and competed at the provincial and national debating championships, 2018

Held Novice Rep position for UW Debate Team, assisted in organizing The North America Debating Championships

Management Engineering Concepts, Consultation with Bombardier

University of Waterloo | Sept. – Apr. 2019

In charge of organizing and executing class case day to collect data on Waterloo's ION trains to improve ION service

Collaborated with peers to create a Visual Basic based decision support tool in Excel to aid student group work

Skills

Languages: Python, R, R Markdown, SQL, Java, HTML, CSS

Frameworks & Tools: Springboot, JasperSoft, RStudio, Voiceflow, Maven, JMeter, Gradle

Extracurriculars

Coding Instructor, RBC & Independent | May – Aug. 2020

Facilitated coding lessons for elementary students through RBC's Building Digital Literacy program

Set up and taught virtual java lessons for members of remote community, teaching 4 times a week

Hack the North, University of Waterloo | Jan. 2021

Led a team of three others to create Alexa skill to track the stock market, including a dummy investing feature

Designed the skill using Yahoo Finance and News API's coupled with javascipt and Voiceflow

RBC Innovation Challenge, 2nd, Royal Bank of Canada | June 2020

Created proof of concept of real time augmented reality assistance tool using FIGMA, Unity and ARCore

Placed second against over 20 other teams

Interests

Running | Hiking | Travelling
Camping | Reading | Crosswords

Education

Management Engineering, B.A.Sc. 2024, University of Waterloo

91% cumulative average, Term Dean's Honours all terms

Ranked in 1A, 3rd in 1B