

Shan Rajapakshe

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EDUCATION

University of British Columbia Okanagan (2012 – 2017)

- BSc with Honours in Computer Science, Minor in Statistics
- Attained Deans List standing from 2013 to 2017

National University of Singapore (2015 – 2016)

- Attended as an exchange student for a year long exchange through the UBC Go Global Program

Stanford University (2014)

- Attended Stanford University as a visiting student during the summer semester of 2014
- Completed the Summer Intensive Program in Computer Science

HONOURS AND AWARDS

NSERC Undergraduate Student Research Award	May 2017 – August 2017
NUS Lee Foundation Award	August 2015 – April 2016
Irving K. Barber Premier's International Scholarship	August 2015 – April 2016
UBC Faculty of Medicine Summer Student Research Program Award	May 2015 – August 2015
UBCO Deputy-Vice Chancellor Scholarship for Continuing Students	September 2013 – 2016
UBCO Chancellors Scholar Award	September 2012

PRESENTATIONS

Extracting Events from Clinical Text Using Natural Language Processing - UBCO Undergraduate Research Conference (2017)

BC Surgical Outcomes Database Pilot Project - BC Cancer Agency Summer Student Seminars (2015)

TEACHING EXPERIENCE

UBCO - Department of Computer/Data Science
September 2016 – May 2017

Teaching Assistant

- Facilitated labs in Data Science, Medical Imaging and Informatics, and Digital Citizenship where students applied techniques learned in lecture
- Responsibilities include evaluating student assignments and examinations, delivering feedback, explaining lecture content, guiding students through troubleshooting
- Redesigned lab content for Medical Imaging and Informatics to better accommodate the curriculum
- Revised statistics and R component in Data Science to focus on key learning objectives and more practical applications

UBCO - Department of Physics
September – December 2014

Teaching Assistant

- Ran two first year calculus based physics labs in the winter semester of 2014
- In charge of introducing students to lab procedures and safety, reviewing difficult lecture content, helping students troubleshoot problems
- Attended weekly meetings pertaining to the following week's lab, administered diagnostic tests, marked student assignments, and provided feedback
- Lead other TA's in preparing for the week's lab
- Emphasized critical thinking and reasoning as methods of knowledge discovery in a lab environment

PROFESSIONAL EXPERIENCE

UBCO – Department of Statistics
May – August 2017

Undergraduate Researcher

- Performed statistical research in the domains of psychology and psychophysics
- Revised legacy code to improve readability and follow modern test-driven design standards
- Cleaned and prepared social science data
- Modified and tested statistical simulations to account for novel conditions

BC Cancer Agency – Centre for the Southern Interior
May – August 2015

Surgical Oncology Intern

- Developed framework for a pilot prospective cohort study on breast cancer outcomes and quality of care
- Designed and developed a relational database and associated applications
- Participated in interdisciplinary knowledge translation through several presentations of research performed at the cancer center

Central Okanagan Sailing Association
Summer 2011-2013

Windsurfing/Sailing coach

- Certified BC Sailing and Windsurfing coach
- Taught a variety of sailing and windsurfing classes for persons aged 4 to 65+
- Involved in maintaining equipment, creating and running engaging lessons, and establishing personalized goals for each student
- Gained knowledge in group management, goal setting, and safety-oriented learning

VOLUNTEER EXPERIENCE AND EXTRACURRICULAR

Habitat for Humanity Kelowna
May 2016 – January 2017

Build Site Volunteer

- Helped put together a building for low-income families
- Tasks included site maintenance, installing drywall and insulation, liaising with potential families
- Worked with a diverse group of individuals and backgrounds

Seniors Outreach Centre Kelowna
May – August 2016

ElderNet Volunteer

- Assisted Seniors in a variety of technology-related tasks including email setup, troubleshooting hardware problems, and advising on equipment purchases
- Engaged in active listening and socializing with participants to create a safe and welcoming environment

UBC – South East Asian Recruitment

Student Representative

August 2015 - March 2016

- Selected to represent UBC Students in the recruitment of undergraduate students in Singapore
- Worked with Professors, student coordinators, recruiters, and other students to highlight the learning experience at UBC
- Mentored potential students, answering questions in regards to student life, academics, and opportunities at UBC

NUS KAKI Program

International Representative

August 2015 – April 2016

- Chosen as a Canadian representative to foster relations between local students and international exchange students
- Participated in bidirectional cultural exchange between other international and local students
- Helped to put on the Around the World SG 2015 event with a group of Singaporean and International students to teach other students about international culture and customs

UBC Southern Medical Program

Data Entry Volunteer

October 2013 – March 2015

- Worked at the Pritchard Simulation Centre, a lab using sophisticated patient models to simulate real medical scenarios for physicians, nurses and students
- In charge of participant data collection and entry into a database
- Exposed to medical terminology and practices
- Worked with nurses, medical students, physicians, and management staff to obtain data and editing simulation templates to be used by hospital staff in creating custom scenarios involving health emergency simulations

UBC - Okanagan

Student Orientation Leader

September 2013 - 2014

- Welcomed new students to the university prior to the first day of classes
- Acted as a mentor and peer for students during a vulnerable time in their university career
- Tasks included familiarizing students with the campus, fostering connections between students through engaging activities, and offering practical advice for managing a university lifestyle

PROFICIENCIES AND TECHNICAL SKILLS

Programming:

- Object-Oriented Programming (Java, Python, C++)
- Database design and development (MS Access, Oracle)
- Full Stack Web Development (Laravel, Ruby on Rails, Jekyll)
- Data Science techniques, Analytics, and Informatics (R, Python, WEKA, MS Excel, Tableau)

Statistics

- Regression Modelling
- Sample Surveys
- Experimental Design