

2018

Statistics and Actuarial Science Awards

The Department of Statistics and Actuarial Science is pleased to honor its students, staff, and faculty every year during our Annual Awards Reception. A full copy of all of the award winners is available on our web site at

<http://www.stat.sfu.ca/people/awards.html>

The Department has 5 major awards:

- The April Allen Memorial Undergraduate Scholarship for students with high standing in Actuarial Science established by T.A. Townley & Associates to honor the spirit of April Allen.
- The Towers Watson Scholarship for students with high standing in Actuarial Science established by the Towers Watson Company.
- The Pacific Blue Cross Scholarship for students with high standing in Actuarial Science established by Pacific Blue Cross.
- Aon R. Bruce Coles Memorial Scholarship in Actuarial Science.
- The Statistics and Actuarial Science Endowment Awards funded by earnings on our departmental endowment fund.



April Allen Memorial Undergraduate Scholarship

Raymon Huang - Jiajie Liu

This scholarship is awarded annually to students within their first year of being admitted into one of the Actuarial Sciences programs who demonstrate excellence in academic performance and exhibit potential for success in the actuarial science field. Preference is given to students who have personally been affected by cancer and/or have demonstrated leadership and/or service to an organization involved in cancer research and care. It was established by D.A. Townley & Associates to honor the spirit of April Allen.

Aon R. Bruce Coles Memorial Scholarship

Kelly Sutanto – Jason Wong

This scholarship is awarded annually to a student in an approved Actuarial Science program who has completed ACMA320. It is granted on the basis of academic performance.

Towers Watson Scholarship

Sihan Cheng

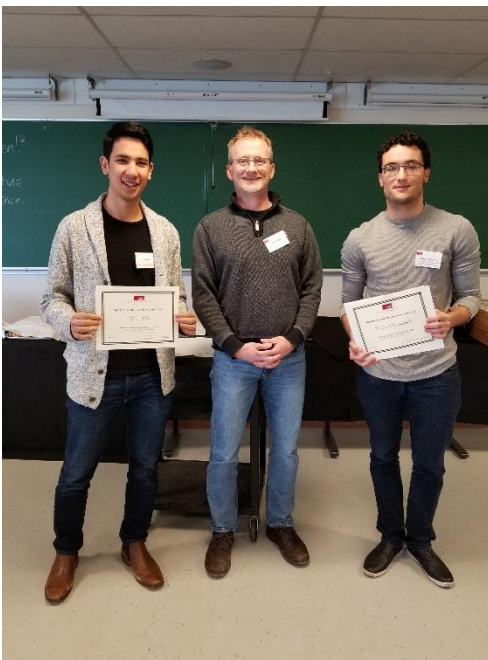
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Statistics and Actuarial Science Endowment Awards

Sihan Cheng – Dani Chu – Richard Groenewald

One or more awards, each valued at the university's award minimum or more, will be granted annually in any term to full-time undergraduate students who meet the following criteria:

- are enrolled full-time in the Department of Statistics and Actuarial Science in the Faculty of Science;
- are in their third or fourth year of study;
- have a declared major in Statistics or Actuarial Science;
- are in good academic standing; and
- have demonstrated commitment to the department and/or their chosen discipline, for example (but not exclusively) by:
 - -serving as a volunteer at department events;
 - -representing the department at University/external events;
 - -serving as a volunteer for activities sponsored by professional societies of Statistics or Actuarial Science;
 - -serving on the executive board of the Statistics and Actuarial Science Student Association;
 - -undertaking activities to enhance the engagement of peers with the department and/or its related disciplines;
 - -undertaking activities to enhance the stature of the department and/or its related disciplines.



Dani Chu writes:

I began reading Kirk Goldsberry basketball articles on Grantland in 2014. His use of new NBA data captured by advanced SportVU cameras struck me. In particular, an academic paper titled Counterpoints: Advanced Defensive Metrics for NBA Basketball grabbed my attention. In the Fall of 2015 I was fortunate enough to unwillingly enroll in a course taught by one of the other authors of that paper Dr. Luke Bornn. Meeting Luke launched me into a love of sports analytics and the pursuit of a greater understanding of statistics. Since then I have had the opportunity to publish a paper, work on interesting problems, and give back to my fellow students.

In the Spring of 2017 I took Dr. Tim Swartz's Bayesian Statistics class. Through my work in this class, and my time as a member of the SFU Sports Analytics Club, I was lucky enough to be offered an Undergraduate Student Research Award by the Natural Science and Engineering Research Council of Canada for the Summer of 2017 to work under Tim, with my friend Lucas Wu on a sports analytics paper. We researched improvements to the Kelly Criteria, a widely used, mathematically optimized betting guideline developed in 1956. Through our work over the Summer and into the Fall we were able to write a paper that has been accepted for publication into the Journal of Quantitative Analysis in Sports.

I have worked on other projects in Sports Analytics mostly in the role of president. I became president of the club in the Fall of 2016. In that time, we have organized the SFU Statistics sponsored event the Vancouver Sports Analytics Symposium and Hackathon (VanSASH), worked on projects with Canada Basketball, and the Canadian Sport Institute Pacific, with coaching staff of the Vancouver Whitecaps and Terry Fox Ravens Junior Boys Basketball and finally competed in hackathons and case competitions with members of the club.

Through our work in the Fraser Health Hackathon, my team was hired to work at the Fraser Health Authority in the Summer of 2017. We built analyses using data from the fentanyl overdose crisis in Fraser Health.

I have volunteered as a Statistics and Mathematics tutor for the past five years and recently became the Vice President of the Statistics and Actuarial Science Student Association at SFU. However, most of my volunteer work is done as a Basketball Coach where I spend almost every week night of the season coaching various teams.

Undergraduate Awards

Undergraduate Open Scholarship:

James Braun 1181
Kin Ching Lydia Chau 1177
Anqi Chen 1174
Fei Chen 1174
Boyang Fan 1177,1181
Ye Fan 1177,1181
Richard Groenewald 1177,1181
YiJia Gu 1174,1177,1181
Yi Fan Hao 1177
Stephen Kane 1177
Chuyuan Lin 1174
Jeneva Siscar 1174
Atul Sriram 1174,1177,1181
Matthew Tang 1177
Peiwei Wang 1174,1181
Jason Wong 1174,1181
Zhen Wu 1174
Wenjing Xu 1177,1181
Jeffrey Yao 1177

SFU Alumni Scholarship:

Kin Ching Lydia Chau 1177
Changan Chen 1177
Zikun Chen 1174
Richard Groenewald 1177
Dorothy Lu 1181

Faculty of Science Alumni Scholarship:

Abi Richard Satyadenny 1174

International Co-operative Education Award:

Jiajie Gu 1177
Jingyang Liu 1174,1177,1181
Khushboo Patel 1177,1181
Xiaoyue Xu 1174

Dr. Abe Unrau Memorial Co-op Prize:

Hongshi Li 1174

International Mobility Award:

Celina Chen 1181

Department of Mathematics Award:

Dani Chu 1181

Maud Mary Price Scholarship in Health Sciences or Sciences:

Makaila Jones 1181

Patrick McTaggart-Cowan Undergraduate Scholarship:

Richard Groenewald 1177

Robert G. Welty Scholarship:

Richard Groenewald 1181

Tadeusz Specht Memorial Scholarship:

Ray Lin Jian 1174

Gordon M Shrum Entrance Scholarship:

Albert Kho 1177,1181

International Academic Excellence Entrance Scholarship:

Nadia Medvinsky 1177,1181
Chris Sobczak 1177,1181

International Summit Entrance Scholarship:

Boyang Fan 1174
Daisy Graciella 1174
Quynh Bao Khanh Tran 1174
Yukari Uchibori 1174,1177

Ken Caple College Entrance Scholarship:

Justin Kleine 1181
Trevor Stothard 1181

SFU Africa Entrance Scholarship:

Takudzwa Marwendo 1177,1181

Simon Fraser Entrance Scholarship:

Nikola Surjanovic 1177,1181

William Hamilton Transfer Entrance Scholarship:

Carla Louw 1177,1181

April Allen Memorial Scholarship:

Raymond Huang 1181
Jiajie Liu 1181

Aon R. Bruce Coles Memorial Scholarship in Actuarial Science:

Kelly Sutanto 1181
Jason Wong 1181

Towers Watson Scholarship in Actuarial Science:

Sihan Cheng 1181

Statistics & Actuarial Science Endowment Award:

Sihan Cheng 1181
Dani Chu 1181
Richard Groenewald 1181



Graduate Awards

Graduate Dean Entrance Scholarship:

Cheng-Yu Sun 1177-1214

NSERC CGS Masters Scholarship:

Grace Hsu 1174-1181

Maude Lachaine-Loiselle 1177-1184

NSERC CGS Doctoral Scholarship:

Trevor Thomson 1177-1204

**Randy Sitter Annual Graduate Scholarship in
Statistics & Actuarial Science:**

Peijun (Perry) Sang 1181

Dr. David Eaves Graduate Scholarship in Statistics:

Faezeh Yazdi 1181

Faculty Awards

SSC Award for Impact of Applied and Collaborative Work:

Carl Schwarz

Won Best Paper on Derivatives Award at the 2017 Northern Finance Association Conference:

Jean-François Bégin

Won the Canadian Institute of Actuaries' Young Researcher Award for his paper, "Credit and Systemic Risks in the Financial Services Sector: Evidence from the 2008 Global Crisis":

Jean-François Bégin

