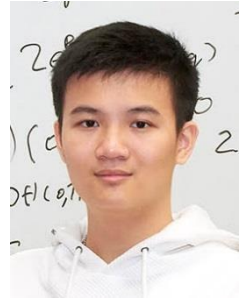


Tristan Pang

DOB: 18th October, 2001

17 Goldstine Place, Royal Oak, Auckland 1023, New Zealand

Phone: +64 2108327516



E-mail: tristan.pang@gmail.com LinkedIn: www.linkedin.com/in/tristan-pang/

EDUCATION

- 2019-2020 Honours Bachelor of Science
Department of Mathematics, University of Auckland
Dissertation: p -adic numbers and the Hasse Minkowski Theorem
(Algebraic Number Theory)
Supervisor: Dr Jeroen Schillewaert
- 2015-2018 Bachelor of Science
University of Auckland, Mathematics and Physics
Focus: Pure Mathematics and Quantum and Laser Physics
GPA 8.4 (*out of 9*)
- 2006-2014 Year 1 – Year 8
Ficino School

SCHOLARLY ACTIVITIES

- University of Auckland [Science Scholars Programme](#) (for select top science students), 2015-2018
- University of Auckland Undergraduate Mathematics Community (for A+ students), 2015-2018

SCHOLARSHIPS

University of Auckland

- [Kupe Leadership Scholarship](#), 2018-2019
- Summer Research Scholarship, Mathematics Department, 2018
- Summer Research Scholarship Mathematics Department (internal offer), 2016

Mensa

- Mensa New Zealand Scholarship, 2018
- Mensa International Scholarship (by Mensa Education and Research Foundation), 2016

Ficino School

- Academic Scholarship, 2013 and 2014

AWARDS

- University of Auckland Blues Award - Service and Leadership, 2019
- Certificates of Distinction/Excellent/Merit – in recognition of outstanding Scholastic achievement (Mathematics, Statistics, Computer Science, Physics), University of Auckland, 2015 – 2018
- First in Course Award, Semester 2 2018
- [Breakthrough Junior Challenge](#) (3 times semi-finalist), 2015 & 2018 & 2019
- [VA Shiva Innovation Award](#), USA, 2015
- [NIWA Auckland Regional Science & Technology Fair](#), 2013
(NZIFST Award for Food Technology – 1st equal & Material World – 2nd prize)
- Australian Mathematics Competition
Prize Award – highest score in the world, 2008
High Distinction, 2009, 2010, 2011, 2012, 2013

WORK EXPERIENCE (University of Auckland)

Research Assistant, Mathematics Department, 2019

- Research and analysis on tertiary maths education

Teaching Assistant, Mathematics Department, 2016-2018

- Tutoring, Marking, Invigilating

Summer Research Scholar, Mathematics Department

- Finite tight frames and spherical designs, 2018
- Algebraic Geometry, 2016

Undergraduate Researcher, Photon Factory

- LIPSS-Sticks, 2017
Properties of titanium dioxide and graphene
- Conductivity Measurement Device, 2014 – 2015
A device for a Waikato farm to test the water quality by using a conductivity meter
- Electrical Magnetic Light Sensitivity Test, 2013 – 2014
A series of light sensitivity tests of the Fonterra's light proof bottle

LEADERSHIP

University of Auckland

- President: [Maths Club](#): 2017 - 2018
- Mentor: Mentored two first year university students, 2016
- Class Representative: 9 classes over 8 semesters, 2015 – 2019
- Mathematics Ambassador: Science Student Association, 2019

Ficino School

- Head Boy: 2014
- Mentor: mentored highly gifted and tutored underachieved students, 2013 - 2014

COMMUNITY SERVICES

New Zealand Association for Gifted Children

- National Representative and Advisor: 2018 – Present
- 40th Anniversary Conference Organiser: 2014 – 2015

Onehunga Swimming Club

- Executive: 2016 – 2017
- Webmaster: 2016 – Present

INITIATIVES

Founder, 2014 - Present

- [Gifted Learners Giving Back](#) – to motivate students through talks and workshops
- [Tristan's Learning Hub](#) – an online platform using videos to teach
- [Change Agents NZ](#) – a Twitter group for students and teachers to exchange ideas

Creator, Producer and Broadcaster, 2015 - Present

- Radio programme on [Planet FM Youth Voices](#) - to inspire young people to aim high

Presenter, 2013 - Present

Delivered over 50 international and local **Talks and Workshops** at non-profit organisations, institutions, conferences and schools. Below are some of them:

- [TEDx Youth Auckland](#), Auckland, 2013
- [Auckland Primary Principals' Association](#), Auckland, 2014
- [Sharjah Children's Reading Festival](#), Sharjah, United Arab Emirates, 2015
- [World Science Festival](#), Brisbane, 2017
- [Rotary Club](#), Otahuhu, 2017
- Point England School, 2013
- Festival of Education, Auckland, 2014
- Manurewa Intermediate School, 2014, 2015, 2018
- Asia Pacific Mensa Conference, Auckland, 2019
- Southern Cross College, 2019
- Blockhouse Bay Intermediate School, 2019

Articles Contributor and Media Interviewee, 2013 – Present

Please see <http://quest-is-fun.org.nz/my-interviews-and-speeches/> and <https://www.linkedin.com/in/tristan-pang/> for more

Membership

New Zealand Mathematical Society (NZMS), Jan 2016 – Present

New Zealand Industrial and Applied Mathematics (ANZIAM), Jan 2016 – Present

St John Cadet, 2007 – Present

Mensa, 2013 – Present