
YOU-RONG (FRANK) WANG

OVERVIEW

Aspiring physics and mathematics student with an interest in theoretical and mathematical physics, with an ongoing project on dynamical systems.

EXPERIENCE

UNDERGRADUATE RESEARCHER, UNIV. OF AUCKLAND – JULY 2018 - PRESENT

I am studying the behaviours of triangular billiard systems as a summer research project under Prof H. M. Osinga. Recently, I have received the Kalman Scholarship based on work on this subject to attend New Zealand Mathematical Research Institute's 2019 Summer School.

DEPARTMENTAL PHYSICS TUTOR, UC BERKELEY – JANUARY 2018 - MAY 2018

Provided assignment guidance and other course-related services to students taking Physics 7A/B at UC Berkeley while on exchange.

RESEARCH APPRENTICE, UC BERKELEY – SEPTEMBER 2017 - DECEMBER 2017

Learned and performed data analysis tasks for a Berkeley cosmology group. Side projects involved various outreach events and result analysis duties.

UNDERGRADUATE RESEARCHER, UNIV. OF AUCKLAND – DECEMBER 2016 - FEBRUARY 2017

Over the summer at Dept. of Chemistry, I was introduced to simple DFT (Discrete Field Theory) and practised organic synthesis under Dr D. Ware.

EDUCATION

UNIVERSITY OF AUCKLAND – BSC(HONS), FEBRUARY 2016 – (2019)

UC BERKELEY – NON-DEGREE EXCHANGE, AUGUST 2017 - MAY 2018

AUCKLAND GRAMMAR SCHOOL –OUTSTANDING SCHOLAR, AUGUST 2014 – OCTOBER 2015

SKILLS & INTERESTS

Scientific Computing with Python and MATLAB.

Graphic Design, Interactive Visualisation and CAD.

Multimedia Production (Filmmaking, Digital Music and Photography).

Creative writing, Theatre and Science Outreach.

Full NZ Driver's License.

SELECT AWARDS AND ACCOMPLISHMENTS

Kalman Scholarship, University of Auckland, 2018.

Auckland Summer Research Scholarship, University of Auckland, 2018.

Department of Physics Scholarships, University of Auckland, 2017.

Mensa Scholarship, Mensa New Zealand, 2017.

Makerspace Featured Project, University of Auckland, 2018.

New Zealand Outstanding Scholar – New Zealand Qualification Authority, 2016.

Honours Board Scholar, Auckland Grammar School, 2015.
