

Warren Wan Pang Cheung

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Education

Bachelor of Biochemistry, Honors with specialization in **Biotechnology**,
Minor **Computer Science**,
University of Waterloo, Ontario

Sept 2012 - Dec 2016

Skills Summary

- Knowledge in Object-Oriented paradigms, Linux Environment and Git version control.
- Proficient in Python, Numpy, socket, Pygame.
- Knowledge of Java, C, HTML, CSS, Javascript and SQL.
- Ability to work in team as well as individually.
- Bilingual - Excellent verbal and written communication skills in French and English.

Work Experience

Research Assistant - Department of Biology
University of Waterloo, Ontario

May 2016 - Dec 2016

- Microbial sampling in landfill.
- DNA extraction of prokaryotic cells and PCR amplification.
- Data mining of metagenomic database, IMG/JGI and NCBI.
- Sequence alignment and analysis using Muscle, FastTree and Geneious.
- Sequence extraction and data manipulation using Python scripts.

Research Assistant - MSI Research Institute
Vacoas, Mauritius Island

Oct 2014 - Dec 2014

- DNA extraction from sugar cane and qPCR amplification.
- Genetic fingerprinting of sugarcane using microsatellite markers.
- Next generation sequence data analysis using software STACKS, Novoalign and Samtools.
- Linkage map construction of sugarcane varieties using Joinmap and QTL analysis using MapQTL.
- Wrote Python scripts for application in sequence data manipulation.

Volunteer - National Wildlife Foundation
Reduit, Mauritius Island

Feb 2012 – Apr 2012

- Tracked and tagged Columbidae, Passerine and Falcon endemic type birds.
- Designed and set up traps for small Carnivorans predator species.
- Monitored feeding pattern of birds to determine their nesting behaviours.
- Recorded measurements squabs morphometrics and banding.
- Helped with Plant phenology project.
- Monitored hopper watch for pigeon's survivorship.

Certifications

- Laboratory training - WHMIS 2015, Employee Safety Orientation
- Red Cross First Aider - Certified Level A, CPR and AED
- Assistant Lifeguard - Certified Bronze Cross

May 2016 - Present

Oct 2016 - Present

Oct 2016 - Present

Relevant Courses

- Applications Software Engineering
- Networks and Distributed Computer Systems
- Management Information Systems
- Computer Application in Business: Databases
- Data Types and Structures
- Elementary Algorithm Design and Data
- Introduction to Machine Language Programming

Awards

- **Term's Dean Honours list**, University of Waterloo, Winter 2013
Awarded to students in an honours plan with term average greater than 80%
- **President's Entrance Scholarship**, University Of Waterloo, 2012
Applicants with an admission average of 90% or higher
- **International Student Entrance Scholarship**, University of Waterloo, 2012
International applicants with outstanding admission average

References

Dr. Laura Hug

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