

MENG YUAN

viciayuan@hotmail.com ◇ imengyuan.github.io ◇ Github: imengyuan

EDUCATION

Sichuan University **Spet. 2015 - June 2019 (Expected)**
BSc candidate in Biological Sciences, minor in Software Engineering **GPA: 88.64/100**
Wuyuzhang Honors College (Top 1.5% of Undergraduates)
TOEFL: 100 (Reading25 Listening25 Speaking23 Writing27)

RESEARCH EXPERIENCE

Identification of Meiotic Drivers in *Rumex hastatulus* Using Pooled Sequencing Ongoing
Bachelor's Thesis. Supervisor: [Stephen Wright](#) (University of Toronto)

- Analyzing sex-linked and autosomal allele frequencies to detect deviation from Mendelian segregation and identify candidate meiotic drivers on the fused X chromosome in *R. hastatulus*.

RNA Sequencing-based Analysis of Economical Traits in Tree Species Jul. - Oct. 2018
Mitacs Globalink Internship. Supervisor: [Jim Mattsson](#) (Simon Fraser University)

- Performed differential expression analysis, GO and KEGG analysis to study the genetic basis of western redcedar bark defense and identified candidate genes specifically up-regulated in the bark.

The Complete Chloroplast Genome of *Oenanthe javanica* Mar. - Jul. 2018
Undergraduate Research Project. Supervisor: [Yan Yu](#) (Sichuan University)

- Performed assembly, annotation and correction of the chloroplast genome of this medicinal plant in Apiaceae, and tested several approaches for getting best assembly.

Digital Network Platform of Plants in Sichuan University Nov. 2016 - May 2017
Used HTML/CSS/JavaScript, MYSQL and PHP to develop the web application and has successfully worked as a team leader on the project.

OTHER EXPERIENCES

President of the Botany Association of Sichuan University Dec. 2016 - Jul. 2018

- Co-founder and president. Helped to organize events to promote the popularization of botany, including field trips, seminars and lectures, and publish weekly blogs about common plants.

Field Work Assistant Aug. 2017

- Assisted in plant identification and survey at Wolong Nature Reserve with a research group of Beijing Forestry University. [Plant Photos](#)

PRIZES & AWARDS

Globalink Graduate Fellowship. CAD 15,000. Mitacs Canada
Second Prize of Challenge Cup Web Designing Contest. Sichuan University Nov. 2016
First Prize of 'Speak Differently' English Speech Contest. Sichuan University May 2016

SKILLS

Programming Languages Python, R, Shell Script, Perl(basic)
Interdisciplinary Research Computational biology/bioinformatics, software engineering