LUO CHEN

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EDUCATION

2017 – 2020 (expected)	**Master of Science in Botany** *State Key Laboratory of Systematic and Evolutionary Botany, Institute of Botany, Chinese Academy of Sciences, Beijing* Advisor: Dr. Xiao-Quan Wang
2013 – 2017	**Bachelor of Science in Horticulture** *College of Horticulture, China Agriculture University, Beijing* Advisor: Dr. Bo Hong

EXPERIENCE

RESEARCH EXPERIENCE

2017 - present	*State Key Laboratory of Systematic and Evolutionary Botany, Beijing* Used transcriptomic data to reconstruct phylogeny of a gymnosperm family, from which to infer the biogeographic history of the family and the evolution of key traits
Summer 2019	*Peking University, Beijing* Participated in summer school course *Species Distribution Modelling using R*
2016 - 2017	*China Agriculture University, Beijing* Investigated relationship between sucker morphological traits and drought tolerance in 22 *chrysanthemum* cultivars
2015 - 2016	*China Agriculture University, Beijing* Studied dwarfing effects of two plant growth regulators with different concentrations on *chrysanthemum* plants

WORK EXPERIENCE

Spring 2017	Flower Recognition App Program Intern, *Microsoft Research Asia (MSRA), Beijing* - Identified plant images for the app Flower Recognition which was designed for recognition of plants by photo using artificial intelligence - Modified detailed illustrations for hundreds of species, including common name, scientific name, and plant description - Collaborated with developers to improve the quality of data and the accuracy of identification results of the app

FIELD WORK

Aug 2018	Collection of gymnosperms and *Rhododendron* plants in *Java and Sumatra, Indonesia*
Jun 2018	Collection of *Ephedra* in *Gansu* and *Shaanxi, China*
Aug 2017	Collection of *Rhododendron* and conifers in *Jilin, China*
May 2016	Collection of conifers in *Zhejiang, China*
Oct 2016	Investigation of invasive aquatic plants in *the Huaihe River Basin, China*

OTHER EXPERIENCE

2014 - 2017	Formed and managed an association for the purposes of stimulating interest in botany and providing social opportunities for plant taxonomy and gardening amateurs

SKILLS

TAXONOMIC SKILLS
Plant identification
Collection and processing of plant specimens

EXPERIMENTAL SKILLS
RNA isolation, RNA library preparation

BIOINFORMATIC SKILLS
Reads processing, *de novo* transcriptome assembly, orthologs inference, phylogenomics, molecular dating, ancestral area reconstruction, species distribution modelling

LANGUAGE
Chinese: native
English : fluent, with an IELTS Academic test certificate (7.5 overall, no band less than 6.0)

CONFERENCES
2017 The 2nd Systematic Biology Forum, China
2019 National Symposium on Plant Systematics and Evolution, China

REFEREES

Wei Wang, Professor of Institute of Botany
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