

HAIFE HU



EDUCATION

2021
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2017

PhD. Candidate, Applied Bioinformatics

The University of Western Australia

📍 Perth, WA

- Working on 1000+ soybean pangenome project
- Working on Amborella pangenome project

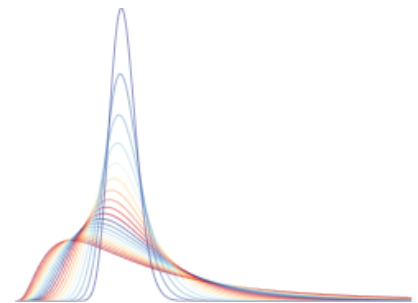
2017
|
2013

B.S., Biotechnonology

The University of Western Australia

📍 Perth, WA

- Thesis: Pangenome of rice blast fungus
- Graduate with First-class Honors



📄 [Download a PDF of this CV](#)



RESEARCH EXPERIENCE

2018

Helper in programming teaching event

Research Bazaar 2018

📍 The University of Western Australia

- Helping and organising the R programming and RNA-seq analysis skills teaching

2016

Research Assistant

Edward's Applied Bioinformatics Group

📍 The University of Western Australia

- Develop larger dataset management skill
- Be familiar to the GBS analysis pipeline

2016
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2015

Research intern

Centre for Crop and Disease Management (CCDM)

📍 Curtin University and Pawsey Supercomputing Center

- Working on high-throughput gene orthology calculation and phenotype-based data mining project
- Using supercomputing source to perform bioinformatics analysis

CONTACT

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🐦 [lakeseafly1](#)

🔗 <https://lakeseafly.github.io/>

☎ (61) 0415066929

LANGUAGE SKILLS

R

Python

Bash

AWK



SELECTED PUBLICATIONS, POSTERS, AND TALKS

Pangenome of the Amborella trichopoda suggests gene

presence/absence variation is associated with environmental adaptation

📍 Under-Review in Nature Communications(copy available upon request.)

2019

- First Author

Made with the R package
[pagedown](#).

The source code is available at
github.com/nstrayer/cv.

Last updated on 2019-10-16.

- 2019
- Construction and comparison of three reference-quality genome assemblies for soybean**
The Plant Journal
- Performing the comparative genome analysis
- 2019
- Legume pangenome construction using an iterative mapping and assembly approach**
Legume Genomics Book chapter
- First Author
- 2018
- Advances in Integrating Genomics and Bioinformatics in the Plant Breeding Pipeline**
Agriculture
- First Author
- 2017
- Single-cell genomic analysis in plants**
Genes
- Writing a session of the manuscript