

Zihan Liu

刘子涵

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also known as *Koway*

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itch.io page: xiu0922koway.itch.io

EDUCATION

Bachelor's Degree of Science

Sep. 2016 - Jun. 2020

College of Life Sciences, Zhejiang University

Major: Ecology (GPA 3.72/4.0, Ranking 1/16)

WORK EXPERIENCE

Research Assistant

Jul. 2020 - Jan. 2022

College of Life Sciences, Zhejiang University

Area: Phylogenetics, Evolution and Angiosperm Systematics

Level Designer

Jun. 2023 - Oct. 2023

Nervoustree Technology, Hangzhou

Project: [Into the Void](#), a Third-Person-Shooting mobile game.

GAME PROJECT

Video Games:

- [Exp10sion](#): a pixel-art puzzle platformer focusing on time loop. Jun. 2023 - Dec. 2023
Contribution: leading game designer and level designer, etc.
Game Jam: (prototype made at) Ludum Dare 51.
Store page: <https://store.steampowered.com/app/2618850/Exp10sion/>
- [Spirit of Dice](#): a simulation game about allocating dice result. Sep. 2023 - Oct. 2023
Contribution: leading game designer and copywriter.
Game Jam: GCORES BOOOM CHALLENGE 2023 Vol.2.
Award: honorable mention by Unity Jury of the jam.
Online demo: <https://xiu0922koway.itch.io/spirite-of-dice>
- [Nook Fall](#): a retro-style interactive fiction, in development. Aug. 2023 - Present
Contribution: story writer and copywriter, joined halfway.
Game Jam: (prototype made at) GCORES BOOOM CHALLENGE 2022 Vol.1.
Introduction: <https://www.gcores.com/games/81372>
- [Golden Retriever](#): a top-down battle game focusing on Bullet Time. May 2023
Contribution: leading game designer, etc.
Game Jam: GCORES BOOOM CHALLENGE 2023 Vol.1.
Online demo: <https://cortexa233.itch.io/golden-retriever>
- [Evo Tree 101](#): a random evolution tree simulator. Mar. 2023 - Apr. 2023
Contribution: solo developer.
Game Jam: Artificial Game Jam.
Online demo: <https://xiu0922koway.itch.io/evo-tree-101>
- [Bad Bad Roots](#): a sokoban-like puzzle game with branching root. Feb. 2023
Contribution: leading game designer and level designer, etc.
Game Jam: Global Game Jam 2023.
Online demo: <https://psalms77.itch.io/bad-bad-roots>

- **Shadiness:** a 3D puzzle game about linearated shades. Nov. 2022 - Jan. 2023
 Contribution: solo developer.
 Online demo: <https://xiu0922koway.itch.io/shadlineee>
- **Giggle is a Ladder:** a platformer where dialog cloud can be step on. Jul. 2022 - Aug. 2022
 Contribution: leading programmer, etc.
 Game Jam: GCORES BOOOM CHALLENGE 2022 Summer Special.
 Online demo: <https://xiu0922koway.itch.io/giggle-is-a-ladder>
- **Turn-Guin:** a puzzlescript game about rotating gravity and map. Oct. 2021
 Contribution: solo developer.
 Online demo: <https://xiu0922koway.itch.io/turn-guin>

Board Game:

- **Rose and Poem:** a Print & Play microgame about writing and interpreting poems. Feb. 2023
 Contribution: solo developer.
 Publishing: on the 2023 annual issue of an art club of Zhejiang University.
 Introduction: <https://xiu0922koway.itch.io/rose-and-poem>

Other Projects:

- **Environmentality in Video Games:** a presentation about environment design in video games. Apr. 2023
 Occasion: a discussion meeting during World Earth Day, hosted by a community focusing on positive values of game: Revaluation of Game's Value (RGV).
 Introduction: <https://xiu0922koway.itch.io/environmentality-in-video-games>
- **Alligator:** a female perspective meta-story with multiple endings written in Chinese. Sep. 2021
 Fulltext: <https://www.gcores.com/articles/145896>

LANGUAGE & COMPUTER

Languages: English (IELTS 7.5); Mandarin (native).

Operating Systems: Windows & Linux

Programming Languages: C#, R, CSS

Softwares: Unity; Blender; Adobe Photoshop, Illustrator, Premiere Pro; Aseprite; Audacity

OTHER EXPERIENCES

Student Organization

Book Club: hosted book discussions about modern and contemporary works and writers including *Nine Stories* by J.D. Salinger and *De avond is ongemak* by Lucas Rijneveld. 2017 - 2023

International Experience

Course: Summer Vancouver Summer Program at University of British Columbia. 2018
PhD opportunity: from University of Sydney in the area of Evolution Biology (given up). 2020

Voluntary work

Translated scientific researches about evolution and dynamics of SARS-CoV-2 for a science blogger in Chinese social media Weibo. Example: <https://weibo.com/6869766331/Iu7J3cHfO> 2020

HONORS & AWARDS

Zhejiang University Scholarship, Third Prize

2018

Details of my past scientific research experiences, in case you would like to know.

RESEARCH EXPERIENCE

Apr. 2019 - Jan. 2022

Laboratory of Systematic and Evolutionary Botany and Biodiversity, Zhejiang University.

Research interest: Evolution, Phylogenetics and Genomics.

Undergraduate Thesis

Aug. 2019 - Jun. 2020

- Conducted phylogenetic analyses of tribe Chelidoniaceae based on genomic data, with estimating historical diversifications and dispersals under the framework of East Asia and North/Central America disjunction.

Undergraduate Researcher

Apr. 2019 - Jun. 2020

- Systematics of central Asia genus *Nathaliella*, reconstructing subfamilial structure of Orobanchaceae.
- Developing a new pipeline combining Genome Skimming and Target Enrichment analysing tools for mining low-copy nuclear genes in order used for large scale phylogenetic analyses.

Research Assistant

Jul. 2020 - Jan. 2022

- Assistant to Prof. Pan Li, conducted evolutionary researches involving diverse plants taxa, including family Fagaceae, genus *Carlina*, genus *Rubus*, genus *Target* and genus *Wenchengia*.
- Cooperating with Nature Medicine Institute of YST, Nongfu Spring, conducted genomic researches of several apple cultivars and wild apples, with analysis of variety breeding and domestication.
- Based on undergraduate thesis, conducted a genus-level phylogenetic research of family Papaveraceae using genomic data, for a further discussion of the diversification of basal Eudicots

Selected Publications

Liu Z.H., Luo Y.X., Wang Y.G. *et al.* 2019: The complete plastome of bloodroot (*Sanguinaria canadensis*, Papaveraceae), a spring ephemeral from eastern North America. *Mitochondrial DNA Part B* 4(2): 2944-2945.

Liu Z.H., Low S.L., Cai M.Q. *et al.* 2021: Complete Plastome of *Carlina acaulis* and Implications on Systematics of the Tribe Cardueae (Asteraceae). *Annales Botanici Fennici* 58(4-6):313-322.

Zhou Q.Y., Cai H.X., **Liu Z.H.** *et al.* 2021: Development of genomic resources for *Wenchengia alternifolia* C.Y. Wu & S. Chow (Lamiaceae) based on genome skimming data. *Plant Diversity* 44(6): 542-551.