

CAMELLIA RUI

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SKILLS&TRAITS

- Proficiency of MRI analysis on Osirix Software
- Familiar with Python and R
- Proficiency in Excel
- Proficiency of DNA extraction and PCR
- Proficiency of Cell lysis and electrophoresis
- Proficiency of cell culture and subculture
- Proficiency of western blotting technique
- Proficiency of microscopy
- Bilingual in Chinese and English
- Proficiency in office programs: Word, Excel, Power Point, image J, Google Docs
- "UWM Top 30 Chinese Singers"
- Highly responsible and accountable
- Curious and eager to learn
- Patient and detail-oriented
- Self-disciplined and well-organized
- Innovation-friendly
- Open-minded
- Team player

EDUCATION

- [University of Southern California, USA]** 8/2019-5/2021
- Major: Mathematics B.A.
 - GPA: 3.6
- [University of Wisconsin Madison, USA]** 9/2017 – 5/2019
- GPA: 3.867
 - Major: Biochemistry& Nutritional science B.S.
 - Honors and awards: Dean's List of College of L&S, Honors in major
- [Hefei No.1 High School, China]** 9/2014–5/2017
- GPA: 4.0
 - Honors and awards: Merit Student Award
 - Vice President of Student Club Union

RESEARCH LAB AND WORK EXPERIENCE

University of Wisconsin-Madison

- **Lab Research Assistant** 12/2018 -05/2019
 - Research assistant on genetically designed obesity
 - Performing lab procedures like DNA extraction and PCR and agarose electrophoresis
- **Undergraduate Peer Research Leader** 11/2018-05/2019
 - Selected as a merited undergraduate researcher assistant
 - Organized workshops providing scientific research opportunities to undergraduates on campus
 - Doing independent projects on arising interests in scientific researches
 - Assisting peer students involved in research by meeting with them in an integrated science course on a weekly basis

Wisconsin National Primate Center

- **Research Assistant** 1/2018–05/2019
 - Working at a lab researching PCOS (Polycystic Ovary Syndrome) by animal model
 - Analyzed MRI (magnetic resonance images) of 20 marmosets' brains, collecting data and doing statistical analysis in Excel to validate the efficiency of shRNA insertion
 - Dosed 40 adult and juvenile rhesus female monkeys, assisting many lab procedures like necropsy
 - Presented research progress during undergraduate poster session

Memorial Union Daily Scoop, Cashier 8/2018 – 5/2019 Rikagaku KENkyusho/Institute of Physical and Chemical Research, Osaka, Japan

- **Research Intern** 6/2019-8/2019
 - Working on an independent project at a single cell dynamic lab researching single molecule ELISA (Enzyme-linked immunosorbent assay)
 - Data analysis of dosage and efficiency in Excel
 - Performing lab procedures like Hela cells culture and subculture
 - Performing lab techniques like Lysis of cells and PAGE (Polyacrylamide Gel Electrophoresis)

STUDENT LEADERSHIP AND COMMUNITY SERVICE

- Medical Volunteer in Panama through Global Brigade 01/2020
- Medical Volunteer in Honduras through Global Brigade 01/2019
- Mandarin tutor in University Tutoring Service 01/2019
- Vice President in Hefei No.1 High School Students Club Union 06/2016
- "Outstanding Student Leader" in Hefei No.1 High School 01/2014
- 6th place in municipal women shot put competition 04/2015