JIMMY (JUNTAO) ZHONG

Email: zhongj2@carleton.edu
GitHub: https://github.com/JuntaoZhong
Cell: 206-643-9305

EDUCATION

Carleton College, Northfield, MN
- Majors: Biology and Computer Science, GPA: 3.61   Expected Jun. 2023
- Relevant Courses: Bioinformatics; CS: Algorithm, Data Structure, Intro to Computer System

Research:

Research Assistant

Carleton Primate Lab   Jun. 2020 – Sept. 2020
- Perform psychology experiments on aging cotton-top tamarins.
- Investigate the connection between cognitive failures and the biology events observed from brain slices of deceased monkeys.
- Feed the monkeys, wash their cages, and clean the lab space according to COVID standard.

Data Analysis and Visualization Intern

Murry's Lab (Cardiology Lab), University of Washington, WA   Jul. 2018 – Sept. 2018
- Calculated stained cells area (microscope image) by using and modifying ImageJ macros
- Built an R Shiny server that queries gene expression data from the lab database and graphs it on a web-interface

Work Experience:

Carleton Academic Technology

    Senior Designer   Sept. 2020 – Present
- Coordinate and produce a video user guide for novice Tableau users at 3 Political Science classes.
- Compose 30+ pages of manuals and create 60+ min of instructional video (cumulatively) for novice R and Tableau users at my school (since 2019).

    Curricular and Research Data Assistant   Sept. 2019 – Sept. 2020
- Code Python and R programs to facilitate about 10 professors' research and 20 students' projects.
- Use Google Analytics API to monitor the traffic of about 100,000 webpages under Carleton domain and recommend removals of obsolete pages.

MySQL Server Developer (on-call)

Grand Prospect International Ltd., HK & mainland China   Jun. 2020 – Sept. 2020
- Build and maintain a MySQL server on Alibaba Cloud, enabling text search (product descriptions), purchases history lookup, simple sale visualizations, and product names-to-image lookup
- Continuously write manuals for better user accessibility

RELEVANT SKILLS

Programming Languages: R | Python | Java | C | HTML| CSS | JavaScript
Technologies: Tableau | MySQL | TCP/IP & OSI Model (CCNA certified)
Languages: Native Mandarin and Cantonese Speaker, Spanish Learner (B1)

LEADERSHIP

- Board member of the Chinese Students Association   Carleton College, Northfield, MN
- Web Development Lead at Soundbio iGEM team (international Genetically Engineered Machine)
  Soundbio Community Lab, Seattle, WA

HONORS/AWARDS

- Bronze Medal for iGEM competition   2018