Claire Hsieh

Davis CA, 95616 | (626) 554-7228 | chsieh018@gmail.com
LinkedIn: https://www.linkedin.com/in/claire-hsieh-539456174/

Education

Bachelor of Science | University of California, Davis | Expected Graduation: Jun 2024

- Major: Genetics and Genomics
- Minor: Bioinformatics, Philosophy
- Coursework: Linear Algebra, Statistics, Probability, Genes and Gene Expression, Comparative Genomics

US Cyber Challenge | Jul 2022

- Coursework: Memory Forensics, Network Forensics, Linux

Skills & Abilities

Programming:
- Proficient in Python (NumPy, Pandas)
- Proficient in Microsoft Office
- Basic knowledge of R and MATLAB

Language:
- Fluent in Chinese (spoken)
- Basic knowledge of written and oral Spanish

Experience

Research Assistant | Topological Molecular Biology Lab | Apr 2022 - Present

- Utilize profile HMMs in predicting SARS-CoV-2 mutation probabilities by adding weights based on country
- Clean and align genomic data sets (Clustal Omega, MUSCLE, MAFFT)
- Grow and collect microbial cultures
- Set up and perform gel electrophoresis
- Prepare frozen samples using GP2 and image using Cryo-EM

Accounting Assistant | Quicklinks Advisor 365 | Aug 2020 - Present

- Reconcile transactions and identify discrepancies
- Create and update financial statements

Clubs

Social Media Officer | Davis Data Science Club | Sep 2022 – Present
- Design posters and flyers to advertise meetings and events