ANGEL CHEN

Phone: (415) 672-0321, Email: angel777chen@gmail.com
LinkedIn: https://www.linkedin.com/in/angel-chen-854376181/
Website: https://angelchen7.github.io
GitHub: https://github.com/angelchen7

EDUCATION

University of California, Santa Barbara (UCSB), Santa Barbara, CA — September 2017 - June 2021
Bachelor of Science in Statistics and Data Science

- GPA: 3.91 / 4.0
- Relevant course work: Regression Analysis, Advanced Statistical Modeling, Machine Learning, Time Series, Experimental Design, Survival Analysis, Big Data Analytics, Bayesian Analysis, Stochastic Process, Intro to Environmental Science

RELEVANT EXPERIENCE

Data Analyst - National Center for Ecological Analysis and Synthesis (NCEAS) - Santa Barbara, CA — February 2022 - Present

- Support 12 Long Term Ecological Research (LTER) Network synthesis working groups by developing reproducible workflows to wrangle, analyze, model, visualize, and integrate various sources of data
- Write content on the LTER SciComp Team website (https://nceas.github.io/scicomp.github.io/), ranging from best practices for open science to tutorials on how to access certain data repositories and deploy R Shiny apps on a server
- Promote an open approach to synthesis science by hosting 11 workshops on collaborative coding with GitHub and the Tidyverse for the LTER synthesis working groups and Information Managers, 2022 All Scientists' Meeting, and the 2023 American Geophysical Union (AGU) conference
- Maintain and contribute to the R package "scicomptools" on the Comprehensive R Archive Network (CRAN)

Data Curator - National Center for Ecological Analysis and Synthesis - Santa Barbara, CA — September 2021 - February 2022
Intern - National Center for Ecological Analysis and Synthesis - Santa Barbara, CA — October 2019 - September 2021

- Utilized R to build metadata and archive ecological, physical, and social data from research projects focused on environmental issues in the Arctic for the Arctic Data Center, a National Science Foundation (NSF) data repository
- Communicated with researchers about their file submissions for data quality assurance before publishing their finalized datasets with DOI numbers to the Arctic Data Center
- Resolved over 100 tickets created by users each time they submitted datasets in an email ticketing system
- Created metadata records for 7 datasets that informed key findings for the 2020 Arctic Report Card, published by the National Oceanic and Atmospheric Administration (NOAA)

Student Fellow - Central Coast Data Science Partnership - Santa Barbara, CA — October 2020 - June 2021

- Collaborated on a team capstone project sponsored by the Cheadle Center for Biodiversity and Ecological Restoration by utilizing R and Python to build network visualizations mapping interactions between bees and plants
- Quantified pollen/nectar specialization and classified bee species as specialists or generalists
- Co-authored a poster on leveraging large biological interaction datasets for the 2021 Ecological Society of America (ESA) annual meeting
- Developed and designed original course materials in the format of a final project for undergraduate students in an introductory data science class

UNIVERSITY SERVICE

Member - NCEAS Data Science Chats - Santa Barbara, CA — March 2022 - Present

- Meet weekly with other members of Data Science Chats to discuss and share coding tips and tutorials
- Maintain and update our Data Science Chats website with best practices for cleaner coding

Office Assistant - UCSB Associated Students Administration - Santa Barbara, CA April 2019 - March 2020

- Answered daily phone calls and emails directed at the UCSB Associated Students Administrative Office
- Logged information from requisition forms and checks into Excel spreadsheets
- Uploaded and organized minutes from weekly Associated Students meetings into a public database with tags

---

PRESENTATIONS

LaMontagne, J. M., Crone, E. E., Redmond, M., Barton, J., Bell, D., Chaudhary, V. B., Chen, A., Cleavitt, N., Greene, D., Holland, E. P., Johnstone, J., Koenig, W., Lyon, N., Macias, D., Miller, T., Nigro, K., Pearse, I. S., Satake, A., Schulze, M., Slette, I., Snell, R., & Zimmerman, J. (2022, September 20). *Cross-site synthesis: Patterns & drivers of plant reproduction across LTER sites*. LTER All Scientists' Meeting, Pacific Grove, CA, United States.

Bachelder, N. R., Chen, A., Zoe, F., Rapaport, M. K., Bang, J., Solomon, S. J., Lee, M. J., & Seltmann, K. C. (2021, August 5). *Leveraging Large Biological Interaction Data to Quantify Plant Specialization by Bees*. Ecological Society of America Meeting, Virtual. Retrieved from https://escholarship.org/uc/item/33b2t2bq

---

WORKSHOPS

Nick Lyon, Angel Chen, and Julien Brun. 2023. Collaborative Coding with GitHub. LNO Scientific Computing Team. Retrieved from https://github.com/NCEAS/scicomp-workshop-collaborative-coding

Nick Lyon, Angel Chen, and Julien Brun. 2023. Coding in the tidyverse. LNO Scientific Computing Team. Retrieved from https://nceas.github.io/scicomp-workshop-tidyverse/

TOOLS AND SKILLS

- RStudio, JupyterHub, Quarto, Git, GitHub, Command Line
- Proficient in R
- Intermediate in Python, C++, SAS, Stan, PySpark, SQL
- Proficient in Cantonese and Mandarin Chinese