

Letian Zhang

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EDUCATION

University of Illinois Urbana-Champaign

Bachelor of Science in Computer Science and Statistics, Minor in Economics

Champaign, IL

Aug. 2022 – Present

- GPA: 4.0/4.0
- Course Assistant: CS491, CS374, CS225
- James Scholar (Honor's Program)
- Dean's List

EXPERIENCE

International Collegiate Programming Contest (ICPC)

Oct. 2023 – Present

University of Illinois Urbana-Champaign

Champaign, IL

- Represented UIUC in the Mid-Central USA ICPC regional contest 2023-2024.
- Ranked 17th among 81 teams from dozens of universities.
- Improved critical thinking skills on targeting the problems with efficient Algorithms and Data Structures.
- Customized variations on Algorithms and Data Structures to fit the problems.
- Discussed ideas and made effective division of labor choices in high-pressure and time-sensitive environments.
- Recorded group training logs to pin-point and improve weak spots for each team member.

Undergraduate Course Assistant

Jan. 2024 – Present

University of Illinois Urbana-Champaign

Champaign, IL

- Served as the Course Assistant in a high-level CS class (CS491 Advanced Competitive Algorithm Programming).
- Developing new course platform to include plagiarism checks and data migration with the instructor.
- Customized and gave three supplementary lectures for advanced problems such as off-line MST Queries.
- Prepared six algorithm problems per week on various topics such as DP, MST, Binary Lifting, Rabin-Karp, etc..
- Taught and implemented debugging routines such as edge case analysis and differential testing to help students.
- Coached students' critical thinking skills by guiding them through the algorithm implementation process.
- Hosted office hours and maintained the course forum to answer questions with heuristic questionings.

Software Engineer Internship

Jun. 2024 – Present

Coupon Crush App

Beijing, China & Champaign, IL

- Assisted in testing and debugging the mobile app, identifying issues to resolve them in the DevOp team.
- Participated in software updates, contributing to feature implementation and improvement of app performance.
- Collaborated in DevOps meetings, providing input on app development and deployment processes.
- Translated technical documentation and user interfaces from Chinese to English, ensuring accuracy and usability for international users.

PROJECT

Corporate Data Analysis | *Python, R*

Jul. 2023 – Aug. 2023

- Extracted and cleaned data on a chemical compound's effectiveness in capturing various greenhouse gases.
- Analyzed and interpreted data by fitting regression models and calculating confidence region using R.
- Visualized results with line-graphs, regression line and other statistics such as F-value.
- Demonstrated and explained results and its significance to the sales team.

TECHNICAL SKILLS

Languages: C/C++ (primary), Java, Python, JavaScript, HTML/CSS, R

Developer Tools: Git, gdb, Docker, VS Code, Visual Studio

Libraries: NumPy, pandas