Kexin Chen

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EDUCATION

Columbia University   New York, NY
Bachelor of Science in Computer Science   *Aug. 2024 – May 2028*
- Advanced programming, linear algebra and probability, data structures and algorithms, multi-variable calculus

EXPERIENCE

Academy of Math and Programming (AMP)   June 2024 – August 2024
Jane Street Capital   *New York, NY*
- Participated in Jane Street's Academy of Math and Programming (AMP), a 5-week summer program hosted in NYC. AMP's rigorous curriculum focuses on computer science, combinatorics, and number theory, and prepares students for the challenges of STEM majors and careers.
- Designed, implemented, and presented efficient algorithms for solving a series of mathematically-focused puzzles and problems using Python Strings, loops, lists, tuples, and dictionaries

Summer Academy of Math and Science (SAMS)   June 2023 – August 2023
Carnegie Mellon University   *Pittsburgh, PA*
- Coded in Python for a data science research project (HuBMAP) with the Pittsburgh Supercomputing Center
- Engaged in a rigorous, college-level STEM curriculum including Python, data science, graph theory, and combinatorics
- Nominated for an academic award at the SAMS symposium

LEADERSHIP

Science Olympiad President   August 2021 – May 2024
A. W. Dreyfoos School of the Arts   *West Palm Beach, FL*
- Organized 2 competitive teams (approx. 40 students), including meetings, studying materials, and other competition preparation
- Awarded regional medals in Fermi questions, chemistry lab

Coding Club President   August 2020 – May 2023
A. W. Dreyfoos School of the Arts   *West Palm Beach, FL*
- Ran monthly meetings for a club of 20 students, teaching basic Python code, learning about computer science history, and exploring computing concepts through games
- Assisted students taking AP Computer Science in debugging their Create Tasks

Math Tutor   August 2020 – August 2023
National Honor Society, Empowering Youth Action, Emanuel Jackson Sr. Project   *Lake Worth, FL*
- Volunteered over 100 hours tutoring students one-on-one and in groups in grades K-12
- Developed customized math curriculum for gifted elementary students and high schoolers' SAT math prep

Mu Alpha Theta Vice President   August 2022 – May 2024
National Honor Society, Empowering Youth Action, Emanuel Jackson Sr. Project   *Lake Worth, FL*
- Organized the administration of competitive math exams across 70 students
- Brainstormed monthly math-centric activities to promote school-wide student engagement with math

PROJECTS

Wordle | *Python* | https://tinyurl.com/k-chen-wordle   July 2024
- Developed a terminal-based Wordle game, including an artificial intelligence-based bot with an accuracy of 98.53%
- Implemented the Colorama library to add dimension to the game

Anagame | *Python* | https://tinyurl.com/k-chen-anagame   July 2024
- Developed a terminal-based anagram game, which provides the user with 7 letters with the goal of identifying pairs of words that are anagrams

TECHNICAL SKILLS

Languages: Python, Java, C
Developer Tools: VS Code, IntelliJ, Eclipse