

Kevin Lei

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EDUCATION

Texas A&M University

Bachelor of Science in Computer Science

College Station, TX

Aug. 2022 – May 2026

- GPA: 4.0/4.0
- Craig and Galen Brown Engineering Honors Program
- Relevant Coursework: Program Design and Concepts, Discrete Structures, Linear Algebra, Calculus III

EXPERIENCE

Undergraduate Research Assistant

Aug. 2023 – Present

Texas A&M Aggiena

College Station, TX

- * Processing and visualizing supernova data gathered from the The Neil Gehrels Swift Observatory
- * Developing and maintaining a Dash web application displaying light curves of supernovae

Undergraduate Research Assistant

Aug. 2023 – Present

Pi Star Optimization Lab

College Station, TX

- * Examining and evaluating current literature on the topic of deep reinforcement learning
- * Discussing and brainstorming with other researchers to solve problems on current projects
- * Developing a deep reinforcement learning model with Amazon AWS DeepRacer

Enterprise Resource Planning Intern

June 2023 – Aug. 2023

Princeton Inc.

Hamilton, NJ

- * Organized and improved the inventory management process through the classification, cataloging, and tracking of goods, increasing efficiency in warehousing
- * Developed a Python-based automation system aimed at streamlining inventory data management, enhancing the efficiency and accuracy of inventory updates and tracking
- * Utilized Epicor software for various administrative tasks, including data entry, order processing, and scheduling

Software Intern

March 2023 – July 2023

The Writing Institute of Princeton

Princeton, NJ

- * Leveraged computer science to structure and analyze qualitative data predominantly consisting of literary texts to take a more structured approach in philosophical analysis
- * Applied process ontology to structure qualitative data in a coherent manner to highlight connections between various texts, allowing more straightforward deductions and interpretations
- * Conducted comprehensive reviews of database technologies and paradigms to optimize input compatibility and future scalability

VOLUNTEERING

Chemistry Instructor

Sep. 2019 – June 2022

Huaxia Chinese School

Montgomery, NJ

- * Developed lesson plans and supplemental resources to aid in understanding of material
- * Organized team meetings and agendas to plan weekly lessons with other instructors
- * Taught students fundamental knowledge regarding college level introductory chemistry courses

Teaching Assistant

Setp. 2018 – June 2022

Huaxia Chinese School

Montgomery, NJ

- * Engaged and lectured young students through interactive lessons
- * Assisted students individually and monitored classroom engagement

TECHNICAL SKILLS

Languages: Java, Python, C/C++

Developer Tools: Git, Nix, VS Code, Linux, LaTeX, Microsoft Office

Libraries: pandas, NumPy, Matplotlib