

# Kevin Lei

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## EDUCATION

### Texas A&M University

*Bachelor of Science in Computer Science*

College Station, TX

August 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, Principles of Statistics

## EXPERIENCE

### Undergraduate Research Assistant

*Texas A&M Aggiena*

August 2023 – Present

College Station, TX

- Processing and visualizing supernova data gathered from the Neil Gehrels Swift Observatory
- Developing and maintaining a Dash web application displaying light curves of supernovae
- Assisting in applying statistical analysis of supernova light curve data to estimate population parameters

### Undergraduate Research Assistant

*Pi Star Optimization Lab*

August 2023 – Present

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
- Training a deep reinforcement learning model for autonomous driving with NVIDIA JetRacer using NVIDIA Jetson Nano

### Enterprise Resource Planning Intern

*Princeton Inc.*

June 2023 – August 2023

Hamilton, NJ

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

### Software Intern

*The Writing Institute of Princeton*

March 2023 – July 2023

Princeton, NJ

- Leveraged computer science to analyze qualitative data predominantly consisting of literary texts to take a more structured approach in philosophical analysis
- Applied process ontology to connect qualitative data to highlight relationships between various texts, allowing more holistic conclusions.
- Conducted comprehensive reviews of database technologies and paradigms to optimize input compatibility and future scalability

## VOLUNTEERING

### Chemistry Instructor

*Huaxia Chinese School*

September 2019 – June 2022

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

*Huaxia Chinese School*

September 2018 – June 2022

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, torch, OpenCV