

Kevin Lei

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EDUCATION

Texas A&M University

Bachelor of Science in Computer Science

August 2022 – May 2026

College Station, TX

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

EXPERIENCE

Undergraduate Research Assistant

Texas A&M Aggiena

August 2023 – Present

College Station, TX

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

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

PROJECTS

Aggiena Plots | *Python, Flask, React, PostgreSQL, Docker*

August 2023 – Present

- Developed a full-stack web application using with Flask serving a REST API with React as the frontend
- Implemented GitHub OAuth to get data from user's repositories
- Visualized GitHub data to show collaboration
- Used Celery and Redis for asynchronous tasks

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
- Provided one-on-one support to students and observed classroom participation

TECHNICAL SKILLS

Languages: Python, C/C++, Java, JavaScript, HTML, CSS, Haskell

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

Libraries: pandas, NumPy, Matplotlib, Flask, React