Kevin Lei

(908) 200-8063 | kevinlei@tamu.edu | linkedin.com/in/kevin-lei-b88410216/ | github.com/kleithegreat

EDUCATION

Texas A&M University   August 2022 – May 2026
Bachelor of Science in Computer Science   *College Station, TX*

- **Overall GPA: 4.0/4.0**
- Craig and Galen Brown Engineering Honors Program
- Relevant Coursework: Data Structures and Algorithms, Computer Organization, Discrete Structures

EXPERIENCE

Undergraduate Research Assistant   August 2023 – Present
Texas A&M Aggienova   *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   June 2023 – August 2023
Princetel Inc.   *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   March 2023 – July 2023
The Writing Institute of Princeton   *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

Aggienova Plots | *TypeScript, React, Next.js, PostgreSQL*   August 2023 – Present
- Developed a full-stack web application for plotting supernova light curves
- Designed a relational database schema to store and organize photometry data
- Deployed the application using Vercel

RISC Processor | *Logisim*   March 2024
- Designed a 64-bit x86-like RISC processor using Logisim
- Supports basic arithmetic and logic operations
- Follows a subset of the x86 instruction set architecture

VOLUNTEERING

Chemistry Instructor   September 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

TECHNICAL SKILLS

Languages: Python, C/C++, Java, JavaScript, HTML, CSS
Developer Tools: Git, Linux, Docker
Technologies/Frameworks: React, Node.js, Next.js, PostgreSQL