Kevin Lei

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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: Machine Learning, Analysis of Algorithms, Data Structures, Computer Organization

TECHNICAL SKILLS

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

PROJECTS

Aggienova Plots | *TypeScript, React, Next.js, PostgreSQL* August 2023

- Developed a full-stack web application for easily plotting supernova light curves
- Utilized the React context API for state management
- Designed a relational database schema for PostgreSQL to store and organize photometry data
- Hosted the frontend on Vercel and database on Supabase
- Showcased to the faculty of the Texas A&M Astronomy Department during a research conference

RISC Processor | *Logisim* March 2024

- Designed and implemented a fully functional 64-bit x86-like RISC processor as a Logisim circuit
- Supports basic arithmetic, logic, control flow, memory access, and stack operations
- Follows a subset of the x86 instruction set architecture

EXPERIENCE

Undergraduate Research Assistant August 2023 – Present
Dr. Peter J. Brown *College Station, TX*

- Visualizing and organizing observational data from the Neil Gehrels Swift Observatory
- Developing and maintaining a full stack web app displaying supernova light curves
- Reducing complexity and increasing efficiency of internal tooling by up to **300%**

Enterprise Resource Planning Intern June 2023 – August 2023
Princetel Inc. *Hamilton, NJ*

- Managed the receiving and distribution of parts for the production floor
- Automated certain manual tasks for detecting inventory discrepancies, reducing time spent by **80%**
- Utilized Epicor software for various administrative tasks, including data entry, order processing, and scheduling

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