

Eric Qian

(219)-316-1088 | ericqian22@gmail.com | [linkedin.com/in/e-qian](https://www.linkedin.com/in/e-qian) |

EDUCATION

Purdue University - GPA 3.52

B.S. in Computer Science, minor in Math

Expected Graduation: May 2026

West Lafayette, IN

WORK EXPERIENCE

Software Engineering Intern

Pacific Gas and Electric

May 2025

Oakland, CA

- Incoming intern for Summer 2025.

Backend Software Engineering Intern

Securitas Technology

April 2024 – May 2025

Remote

- Created multithreaded Python scripts to obtain ZIP+4 codes and website fields for 1.25 million Salesforce accounts, expected to save the company \$150,000 - \$200,000 compared to outsourcing quotes.
- Developed several ETL data pipelines to integrate Emplifi API data into Google Cloud using Cloud Run functions and Cloud Scheduler.
- Used SQL to identify discrepancies from 800,000+ records between legacy/production datasets.
- Created technical documentation including API references and troubleshooting guides to ensure proper maintenance of data pipelines.

PROJECTS

TDINTigami | *Python, HTML/CSS/JS, Visual Studio Code*

Nov. 2023

- Developed and maintaining tdintigami.com, an interactive platform featuring every unique quarterback touchdown-interception ratio in a season in the history of the NFL.
- Created filter features with JavaScript that allows users to view quarterback data for specific teams, years, and Pro Bowl/All Pro status.
- Scraped 2000+ webpages with BeautifulSoup to gather quarterback data for visualization.
- Website peaked at 500+ unique daily visitors.

BeBoiler | *NestJS, React Native, MongoDB*

Sep. 2024 - Dec. 2024

- Developed BeBoiler, a full stack social media app for Purdue students to explore and share local monuments.
- Created RESTful API endpoints using NestJS, ensuring secure data retrieval and manipulation from a MongoDB database.
- Leveraged React Native to create a modern and responsive UI for iOS and Android devices.
- Followed Agile methodologies, including weekly scrums and 3-week sprints, to ensure consistent progress and timely delivery for our team of 5.

Custom C Shell | *C/C++, Vim*

Mar. 2025 - Apr. 2025

- Developed a fully functional shell interpreter from the ground up that combines features from other shells such as bash and csh.
- Implemented a tokenizer and parser with Lex and Yacc for command syntax.
- Key features include handling piping, I/O redirection, wildcard expansion, and subshells.

TECHNICAL SKILLS

Languages: Python, TypeScript/JavaScript, Java, C/C++, SQL

Developer Tools: Node.js, NestJS, Git, Google Cloud Platform, Microsoft Excel, JUnit, Jira