

Chris Yeu

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EDUCATION

Texas Southern University
Bachelor of Science in Computer Science

Houston, TX
Expected May 2025

EXPERIENCE

- UPS** Oct. 2023 – Present
Preload Manual Operation *Stafford, TX*
- Optimized loading workflows by organizing 150+ packages daily, enhancing route efficiency, and reducing delivery delays.
 - Ensured shipment accuracy and data integrity using bar code scanning systems and internal logistics software.
 - Collaborated cross-functionally to resolve routing issues and trained new hires on safety standards and load optimization strategies.
- Childhood Cancer Society Hackathon** Jan. 2025 – Feb. 2025
Software Engineer / Data Analyst *New York, NY*
- Built a crypto analytics tool to analyze and visualize ETH/USDT trade data, winning 1st place in a national social impact hackathon.
 - Developed an end-to-end ETL pipeline using Pandas and PyArrow to process and structure over 2 GB+ data.
 - Visualized trading trends and patterns using Matplotlib and Seaborn, enhancing data insights for informed decision-making.
- Houston Environmental Justice** June. 2024 – Aug.2024
Frontend Developer Intern *Houston, TX*
- Developed and styled responsive web pages using HTML, CSS, and JavaScript based on client requirements.
 - Collaborated with designers to translate wireframes and mockups into functional UI components.
 - Debugged and resolved front-end issues to ensure seamless user interactions and improved website functionality.

PROJECTS

- VaultTrack** | *Spring Boot, PostgreSQL, Maven, Next.js, Tailwind CSS* March 2025 – Present
- Developed and deployed RESTful APIs using Spring Boot, enabling full CRUD functionality with input validation via Jakarta Validation.
 - Designed and mapped the Transaction entity model to a PostgreSQL database using Hibernate and JPA repositories.
 - Troubleshooted and resolved backend setup issues, including Maven dependency conflicts, environment variables, and port binding errors.
 - Tested endpoints using Postman and browser-based queries, validating dynamic query parameters (e.g., filter by transaction type).
 - Built the front end with Next.js and Tailwind CSS, initializing project structure with TypeScript and ESLint for clean, scalable code.
- Java GUI Calculator** | *Java, Swing, IntelliJ IDEA, Git, GitHub* Mar. 2025 – Mar. 2025
- Designed and developed a desktop calculator using Java Swing, implementing responsive UI with JFrame, JPanel, JTextField and JButton components.
 - Enhanced UX by enabling full keyboard support and mapping keys like Backspace, Delete, and Enter to calculator functions using InputMap and ActionMap.
 - Implemented features such as a Dark Mode toggle, real-time operation display, and a scrollable history log to modernize the UI and improve interactivity.

TECHNICAL SKILLS

Languages: Java, C#, Python, TypeScript, JavaScript, HTML, CSS, SQL.
Frameworks: Spring Boot, Jakarta EE, Next.js, Tailwind CSS, Node.js, REST APIs, .NET
Developer Tools: Git, Docker, Maven, Postman, MetaMask, ethers.js, PostgreSQL, APIs
Libraries: React, Pandas, NumPy, Matplotlib