

# Christopher Yeu

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**Relevant Links:** LinkedIn | GitHub | Portfolio

## Technical Skills:

- **Languages:** Java, C#, Python, Go, TypeScript, JavaScript, HTML, CSS, SQL
- **Frameworks:** Spring Boot, Jakarta EE, Next.js, Node.js, Tailwind CSS, .NET, REST APIs
- **Libraries:** React, Pandas, NumPy, Matplotlib, scikit-learn, Seaborn
- **Databases:** PostgreSQL, MongoDB, DuckDB
- **Cloud Platforms:** AWS (EC2, RDS, S3, IAM), Azure
- **Developer Tools:** Git, Docker, Maven, Postman, MetaMask, ethers.js, Jira
- **Office Tools:** Microsoft Word, Excel, PowerPoint

## Education:

### Texas Southern University

Houston, TX

Bachelor of Science in Computer Science

GPA: 3.28/4.00 — Expected May 2025

## Work Experiences:

### UPS

Stafford, TX

Preload Manual Operation

October 2023 – Present

- Optimized loading workflows by mapping 3D spatial arrangements to stack and position 900+ packages per shift efficiently.
- Leveraged logistics systems and internal tools to enhance accuracy and maintain data integrity.
- Coordinated with management to resolve conflicts and onboard new hires.

### College of Science, Engineering, and Technology (COSET) Summer Research

Houston, TX

UI/UX Developer Intern (Expected)

June 2025 – August 2025

- Will develop and style responsive web pages using HTML, CSS, and JavaScript for internal research projects.
- Plan to collaborate with research teams to translate project requirements into UI components.
- Expected to debug and optimize front-end interactions for performance.

### Childhood Cancer Society Hackathon

New York, NY

Software Engineer / Data Analyst

January 2025 – February 2025

- Built a crypto analytics tool analyzing ETH/USDT trade data, winning 1st place.
- Developed an ETL pipeline using Pandas and PyArrow to process 2+ GB of data.
- Visualized trading trends using Matplotlib and Seaborn.

### Houston Environmental Justice

Houston, TX

Frontend Developer Intern

June 2024 – August 2024

- Developed responsive web pages using HTML, CSS, and JavaScript.
- Collaborated with designers to build UI components.
- Debugged and resolved front-end issues.

### College of Science, Engineering, and Technology (COSET) Summer Research

Houston, TX

Data Analyst Intern

June 2023 – August 2023

- Assisted in cleaning and preprocessing datasets using Pandas and NumPy.
- Designed visualizations with Matplotlib and Seaborn.
- Documented analysis methodologies and presented results.

## Projects:

### Income Prediction using Random Forest

March 2025

Python, scikit-learn, Pandas

- Built and trained a Random Forest model to predict income levels based on demographic and financial data.
- Preprocessed the dataset, handling missing values and applying feature engineering to improve model performance.
- Identified key features influencing income: Capital Gain, Occupation, Capital Loss, Age, and Hours per Week.
- Presented findings, highlighting model accuracy, feature importance, and real-world limitations.

### VaultTrack

March 2025 – Present

Spring Boot, PostgreSQL, Maven, Next.js, Tailwind CSS

- Developed RESTful APIs using Spring Boot with full CRUD functionality.
- Designed and optimized PostgreSQL database entities using Hibernate and JPA.
- Built a responsive frontend with Next.js and Tailwind CSS using TypeScript.
- Implemented secure user authentication and data validations across the application.

### Java GUI Calculator

March 2025

Java, Swing, IntelliJ IDEA, Git, GitHub

- Developed a desktop calculator using Java Swing components.
- Implemented keyboard shortcuts, dark mode toggle, and scrollable history log.