

Jefferson Ye

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Work Experience

Amazon ✎ Oct 2022 – present | Denver, Colorado

Software Development Engineer

- Developed **core control plane components** for a private beta AWS service tailored to facilitate spacecraft and satellite networking with the AWS cloud.
- Designed and implemented a **reliable, secure** communication infrastructure that allows customers to control their space devices via the AWS CLI and console.
- Engineered a **scalable, robust** state management system for managed AWS resources, ensuring accurate billing durations for customers.

The University of Texas at Austin ✎ Aug 2021 – Dec 2021 | Austin, Texas

Undergraduate Teaching Assistant

- Undergraduate TA for **CS 373 (Software Engineering)** for the Fall 2021 semester.

The BHW Group ✎ May 2021 – Aug 2021 | Austin, Texas

Web and Mobile Development Intern

- Built a **full-stack, responsive, consumer-facing** real estate web application using **React** with **Next.js**, **Go**, and **Postgres**.

Hyosung ✎ Jun 2020 – Aug 2020 | Irving, Texas

Software Engineering Intern

- Decreased **XML** read times by up to **40%** in upwards of **200,000** ATMs by implementing a new parser in **C++** for WinCE-based ATMs.
- Contributed towards the implementation of a new **security protocol** for the delivery of symmetric keys from host servers to ATMs.

Projects

CorpsClash ✎ Jan 2023 – present

- Created CorpsClash, a cross-platform mobile app that provides **real-time updates** of drum corps events, scores, and rankings.
- Obtained over **20,000 monthly active users** and **16,000 daily active users** for the 2025 season.
- Created strategic partnerships with brands like **FloSports** to drive cross-platform user engagement
- Built using **Flutter**, **Node**, **Redis**, **DynamoDB**, and **AWS**.

Education

The University of Texas at Austin Aug 2018 – Dec 2021 | Austin, Texas

BS in Computer Science

- GPA: 3.94

Skills

Proficient

Java, JavaScript/TypeScript, Dart

Experience

AWS, Terraform, React, Rust, Go, C#, Git, GitLab CI/CD, Postgres, Redis, MySQL, Docker, Unix, C, HTML, CSS

Awards

Appalachian Trail Thru-Hiker Sep 2022

Eagle Scout May 2017