# Emily Carter

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## Education

**University of Washington** 2022 – 2026
*B.S. in Computer Science, GPA 3.8/4.0* *Seattle, WA*

- Teaching assistant for Data Structures, 180 students; wrote the course's autograder

## Experience

**Software Engineering Intern** May 2025 – Jul 2025
*Paylo (seed-stage payments startup, 14 people)* *Remote*

- Cut the Android app's cold start from 6.1s to 1.8s on low-end phones by lazy-loading 3 SDKs and moving image decoding off the main thread (Kotlin)
- Built the refund status screen end to end (Kotlin, Node.js); refund support tickets fell 40% in the month after launch
- Set up the team's first crash alerts (Sentry to Slack), which caught 2 release-blocking crashes before rollout

**Backend Intern** Dec 2024 – Feb 2025
*Shelfwise (inventory software for corner stores, pre-seed, 6 people)* *Seattle, WA*

- Wrote the text-message ordering bot (Node.js, Postgres) that 350 stores used to restock in its first month
- Found and fixed a stock-count race that double-counted 2% of orders; added the tests that now guard it

## Projects

**FestPass** 2024
*Ticketing app for our college fest · React Native, Firebase ·* github.com/yourname/festpass

- Sold 3,200 tickets over a 3-day fest with no double entries at the gate, using signed QR codes checked offline
- Open source, 140 GitHub stars; 2 other colleges ran their fests on it

**tinyq** 2023
*A job queue for Postgres in 400 lines · Go ·* github.com/yourname/tinyq

- Handles 2,000 jobs a second on a laptop; wrote up the locking design in a post read 9,000 times

**BusTrack** 2023
*Live college bus tracker · Python, Flask, Leaflet ·* github.com/yourname/bustrack

- Used by 1,100 students a day; cut the average wait at the stop from 14 minutes to 4

## Skills

**Languages:** Kotlin, TypeScript, Go, Python, SQL
**Tools:** React Native, Node.js, PostgreSQL, Firebase, Git

## Leadership and awards

**Lead, Open Source Club** 2024 – 2025
*University of Washington*

- Grew the club from 40 to 300 members; 60 of them merged their first pull request in our sprints

**Hackathon winner, 1st of 120 teams** 2024
*Offline maps for flood relief, built in 36 hours*