

Edward Shen

 eddie.sh
 hi@eddie.sh
 edward-shen

Experiences

Meta Production Engineer Sep. 2021—Present
Menlo Park, CA

- › Joined the PE Executable Access Control team to identify, track, and jail untrusted binaries running on internal hosts.
- › Tech lead for Alcatraz, an internal binary that presents common frontend for process-level jailing backends.
- › Advocate for Rust adoption, volunteering for Rust code reviews and presenting Rust talks to teams.

Apple SEAR Intern Aug. 2020—Dec. 2020
Cupertino, CA

- › Joined the Trusted Execution team, focused on code execution across the Apple ecosystem.
- › Planned, driven, and completed proof-of-concept for iOS 16's Lockdown Mode.
- › Developed kernel and bootloader security policies focused on attack surface reduction.

Facebook Production Engineer Intern May 2020—Aug. 2020
Menlo Park, CA

- › Rewritten Python config generation in multithreaded asynchronous Rust, reducing overall runtime by 80% on large inputs and improving runtime of profiled areas by a factor of 36.6.
- › Designed core Rust libraries for foundational services for ubiquitous use across all Rust applications.
- › Highlighted as a top intern project for the Production Engineering organization.

Facebook Production Engineer Intern May 2019—Aug. 2019
Seattle, WA

- › Implemented a disaster mitigation for decentralized service discovery when upstream data source is unavailable or in a degraded state.
- › Designed an out-of-band flow to resolve core infrastructure services dependent on service discovery in disaster scenarios to minimize downtime for all Facebook products.

Degree

Northeastern University

Boston, MA

Date

Sep. 2017—May 2021

Degree

Bachelor of Science in
Computer Science

Honors

summa cum laude,
Dean's List

Skills and Interests

Languages

Primary
Rust

Secondary
Python, Bash

Auxiliary
C, C++, TypeScript

Recent Technology

cxx.rs, libc, fbthrift, buck,
cgroups v2

Miscellaneous

Regex, LaTeX

Interests

Rhythm games, Security,
Self-hosting, Scalability,
Free software

Disinterests

Cryptocurrency