

# Jarek Samic

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Software Developer passionate about building impactful systems and high-performing teams.

## Experience

### Senior Developer

1Password

📅 Sep 2020 — Present   📍 Remote

- Key contributor towards passkey support across all major browsers in the 1Password browser extension.
- Overhauled a complex, years-old browser extension build system used weekly by over sixty developers. Decreased warm build times by over 90% (1m 20s → 5s).  
[blog.1password.com/new-extension-build-system](https://blog.1password.com/new-extension-build-system)
- Worked on high-impact CI improvements with a cross-functional team, resulting in a 50% and 60% reduction to p50 and p90 merge request pipeline times (respectively).
- Led the build & release process for the 1Password browser extension. Overhauled the existing system to ensure predictability and implement automated nightly releases.
- Owned the implementation & launch of Unlock with SSO in the 1Password browser extension, collaborating with multiple teams.
- Key contributor towards the 1Password browser extension for iOS. Rebuilt many aspects of the desktop extension in less than 90 days in order to launch day-one on the App Store.
- Accelerated developers & teams across the company by sharing knowledge and providing guidance/mentoring on a day-to-day basis.

### Intern

1Password

📅 Summer 2020   📍 Remote

- Worked with Rust and Typescript to improve autofilling data into websites across our browser extension and desktop app products.
- Heavy focus on automated testing and graceful degradation of accuracy when faced with poorly designed pages.

### Student Developer

Google Summer of Code with FFmpeg

📅 Summer 2019   📍 Remote

Worked independently to research, design, and implement a hardware-accelerated, single-pass video stabilization filter for the FFmpeg library. <https://cldfire.dev/blog/gsoc-2019>

## Projects

### nvml-wrapper [github](#)

A safe and ergonomic Rust wrapper for the NVIDIA Management Library (NVML). Used in production by Twitter and other companies.

### minecraft-status [github](#)

An iOS app with widgets that display the results of pinging a Minecraft server, supporting both Java and Bedrock editions. Rust business logic with SwiftUI frontend.

### mc-server-wrapper [github](#)

Lightweight Minecraft server wrapper binary that provides a Discord chat bridge and other features for vanilla servers.

### actualbudget/actual [github](#)

Ported an old, complex React Native component to the web, unlocking mobile transaction entry for the popular local-first personal finance app Actual. PR: [#1340](#)

### rust-lang/rust [github](#)

Implemented the Ayu theme for rustdoc: [#71237](#)

## Education

### University of Akron

📅 2016 — 2020   📍 Akron, OH

- B.S. in Computer Science with a minor in Mathematics — **3.9 GPA**
- Dean's List, President's List
- Completed 4/5 of degree and then left to accept a job offer

## Other

### Lightning Talk at Programming Conference

Rust Belt Rust

📅 2017   📍 Columbus, OH

Gave impromptu talk about my work theming various sites in the Rust community. <https://youtu.be/7VulqInD06Y>

## Skills

Rust, Typescript, Javascript, FFI, Swift, React, SwiftUI, C, C++, native messaging, Git, CI, teamwork, debugging, problem-solving, and a love of asking *why*.