

Colin Tremblay

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EDUCATION

Grinnell College, Grinnell IA
Bachelor of Arts in Computer Science with Honors

May 2014
Dean's List (1 Semester)

RELATED EXPERIENCE

iOS Engineer *WithUno, Inc.*

January 2021 - Present
Denver, CO

- Primary engineer on the iOS, iPadOS and macOS [Uno app](#), which is built using a single SwiftUI codebase.
 - Implemented a secure, passwordless login using SecureEnclave and biometric authentication.
 - Added app extensions, including a Safari Web Extension and an AutoFill Credential Provider (which includes a working Passkey implementation and local push notifications for copying 2FA codes to clipboard).
 - Built a testing and distribution pipeline using XCTest, fastlane, and Xcode Cloud.
 - Handled schema validation and migrations of our end-to-end encrypted vault using JSON Schema.
 - Built a password import flow that handles exports from over a dozen common password managers.
 - Used Shamir's Secret Sharing to create a social recovery flow for Uno accounts.

Principal Software Developer, Team Lead *Aetna, a CVS Health Company*

June 2014 - January 2021
Denver, CO

- Built the [Aetna Health](#) iOS app from scratch.
 - Served as Team Lead for a group of up to 10 software developers and QA engineers and represented that team at SAFe plannings with the greater Aetna Digital org.
 - Architected the XCUI Testing strategy.
- Assisted with the initial phases of the [Attain by Aetna](#) application.
 - Collaborated directly with Apple on this project.
- Worked on a number of now-defunct projects, including iTriage, iTriage Essentials, WellMatch, and Aetna Boost.
 - Led the transition from Objective-C to Swift.
 - Spent time in Cupertino working with Apple engineers and designers to make these products feel more at home in the Apple ecosystem.

Senior Programmer and Mentor *Mobile Application Development Team*

September 2011 – May 2014
Grinnell, IA

- Created mobile applications for college and community use along with 8 other developers.
- Trained new developers each semester.
- Responsible for iOS, Windows Phone, PHP server scripts, Parse cloud code and databases for various projects:
 - G-licious, a full featured Grinnell dining assistant which was used by over 25% of the campus and had over 500 active installs.
 - FaceTag, a social game of photo tag for iOS and Android written at MHacks 2014.
 - S&B, a mobile version of Grinnell's newspaper, the Scarlet & Black.
 - KDIC, which played podcasts and the live stream from the Grinnell College radio station.
 - DB, providing mobile access to the Grinnell College directory.

[AppDev Portfolio](#)

Web Developer *Grinnell College Web Services*

September – December 2013
Grinnell, IA

- Maintained and improved Grinnell College's web page with a small group of students.
- Assisted college faculty and staff in handling issues with their [newly launched site](#).

OPEN SOURCE CONTRIBUTIONS

- An indentation feature to better match default Xcode behavior in [SwiftFormat](#).
- Changed the structure of error handling in Google's [Swift client](#) and [auth library](#).
- Added Swift Package Manager support to the argon2 [C](#) and [Swift](#) libraries, fixed SPM support in [ecoji-swift](#).
- Fixed documentation mistakes in [Apple's Swift Crypto](#).
- Fixed a bug in [fastlane](#) with distributing builds in TestFlight.
- Discovered and assisted in fixing a major crash in [Alamofire](#).

SKILLS

iOS • macOS • Xcode and Xcode Cloud • Swift • SwiftUI • Objective-C • XCTest and XCUITest • Swift Package Manager
Git • SAFe and other Agile Methodologies • Test Driven Development • AppStoreConnect and TestFlight • fastlane