

# Drew Volz

contact@drewvolz.com | drewvolz.com

## EDUCATION

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- **St. Olaf College**

*Bachelor of Arts in Computer Science*

Northfield, MN

*Sept. 2012 – May 2016*

## EXPERIENCE

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- **Best Buy**

*Software Engineering Manager*

*Dec 2021 - Present*

- **Discover Team Engineering Manager:** Responsible for leading a team of 9 developers, overseeing engineering planning, execution, and delivery, while driving mentorship and career development of individual contributors.
- **CITE Team Tech Lead:** Developed and maintained the navigation header and tab bar across the mobile app and website, including taxonomy and department/category experiences. Architected and implemented a cross-platform widget monorepo powering 80+ pages and screens.
- **Core Team Member:** Developed and maintained a shared monorepo for iOS, Android, and React Native applications, focusing on developer tooling, platform security, dependency management, and improved stability through reduced crash rates.

- **1Password**

*Senior Software Developer*

*Mar 2021 - Jun 2021*

- **Desktop UI/UX Development:** Developed the desktop UI/UX for Mac, Windows, and Linux, implemented data flows from electron and TypeScript, designed informative data models for front-end desktop clients, and maintained a UI library of reusable components.

- **thoughtbot**

*Software Developer*

*Oct 2018 - Mar 2020*

- **iOS Development at Etsy:** Interoperable iOS development at Etsy across design system components, messaging, and analytics on the Native Toolkit and Apps Cross Initiative teams.
- **Houseparty Web App:** Built out Houseparty's video chatting web app in TypeScript and React.
- **Internal Tooling:** Internal development on tooling for finances, scheduling, and operations dashboards.

- **Lexmark**

*Software Engineer II*

*Jun 2016 - Aug 2018*

- **Manufacturing Automation (Nov 2017 - Aug 2018):** Developed web-based status screen system and implemented a websocket-based API.
- **Mobile Applications (Feb 2017 - Oct 2017):** Developed a mobile app that enabled wireless printer configuration and implemented wireless out-of-box printer setup in firmware.
- **System BIOS (Jun 2016 - Jan 2017):** Designed, implemented, and debugged firmware for laser printers. Developed a command-line firmware flashing tool. Maintained firmware update GUI to Apple's AirPrint spec.

- **Lexmark**

*Software Engineer Intern*

*May 2014 - Sept 2015*

- **Mechanical Engineering Services Team:** Developed dashboards for visualizations of large manufacturing datasets. Developed custom tools to manage manufacturing lines of toner/photoconductive drums.

## PROJECTS

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- **All About Olaf and CARLS:** Cross-platform development in React Native for college campuses. Testing and CI/CD with GitHub. Open Source, published on Apple App Store.
- **CCC-Server:** Network request caching and data fetching server. Open Source, deployed via Docker on DigitalOcean.
- **Class Dumper:** macOS app for inspecting Objective-C Mach-O runtime info. Open Source, SwiftUI and GRDB.
- **Bottomless:** iOS app to track and manage coffee subscriptions from Bottomless. Open Source, SwiftUI and Combine.

## PROGRAMMING SKILLS

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- **Languages:** TypeScript, JavaScript, Swift, Kotlin, Python, Rust, PHP, Java, C++
- **Technologies:** React Native, React, iOS, SwiftUI, Android, Electron, Docker, GitHub Actions, WebAssembly