Drew Volz

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EXPERIENCE

- **Best Buy**
  Software Engineering Manager *Dec 2021 - Present*
  - **Discover Team Engineering Manager (Nov 2025 - Present)**: Responsible for leading a team of 9 developers, overseeing engineering planning, execution, and delivery, while driving mentorship and career development.
  - **CITE Team Tech Lead (Aug 2022 - Present)**: 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+ web pages and mobile screens.
  - **Core Team Member (Dec 2021 - Jul 2022)**: 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 Engineer *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 Engineer *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/websocket-based status screen system.
  - **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 - Feb 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.

EDUCATION

- **St. Olaf College** Northfield, MN
  B.A. Computer Science *Sept. 2012 – May 2016*
  - Algorithm Analysis and Data Structures
  - Operating Systems
  - Programming Languages
  - Computational Thinking in Python and R
  - Independent Research in Software Dev
  - Ethical Issues in Software Design
  - Mobile Web Graphics/Computing Apps
  - Capstone: Tile-based Display Rendering

PROJECTS

- **All About Olaf and CARLS**: Cross-platform development in React Native for college campuses. 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.

PROGRAMMING SKILLS

- **Languages**: TypeScript, JavaScript, Swift, Kotlin, Python, Rust, PHP, Java, Objective-C, C, C++
- **Technologies**: React Native, React, Node.js, Next.js, iOS, SwiftUI, Android