

Toby Glover

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WORK EXPERIENCE

Instagram

August 2019 - Present

Lead Android Engineer, Reels Engagement

New York, NY

- Build and launch company-priority features such as the Reels tab and full-screen videos in Home
- Communicate directly with product managers and designers across teams to make sure engineering and product are closely aligned and able to get features out quickly
- Use findings from data science and user research to create testable prototypes and drive deeper product understanding within the organization
- Mentor other engineers both on and outside my team to make sure their projects are set up for success from technical and process perspectives
- Dedicate time to performance and efficiency improvements in service of engagement wins, such as migrating the surface to AndroidX components and optimizing prefetch cache usage

Instagram

May - August 2018 (12 weeks)

Software Engineering Intern, Developer Velocity

New York, NY

- Redesigned internal webapp for engineers to manage their A/B tests and other experiments
- Integrated new diagnostic features to make debugging new features easier for engineers
- Led meetings with engineers to discuss architecture design trade offs and with designers to work on UI requirements

Tufts University

September 2017 - May 2018

Teaching Assistant - Web Programming

Somerville, MA

- Helped students grasp concepts such as the client-server model, asynchronous tasks, and database systems
- Reviewed their code for improvements and functional correctness

Facebook

May - August 2017 (12 weeks)

Software Engineering Intern, Lead Ads Product

Menlo Park, CA

- Refactored majority of team's Android codebase to make it more extensible and maintainable. This modularization expanded the surfaces in which the product could be used
- Analyzed data from A/B tests to make meaningful product decisions
- Built new customer-facing tools in Ads Manager using React

Switch Media

October 2015 - May 2016

Application Architect and Developer

Medford, MA

- Designed and built Presto, an Australian video on demand service similar to Hulu, for the Roku streaming platform
- Gathered and shared best practices for developing on Roku with the two other members of development team

Switch Media

September 2014 - May 2015

Support Engineer and Back-End Programmer

Sydney, Australia

- First point of contact for 10 clients including Foxtel, the largest cable company in Australia
- Sole on-site representative to provide support to Yahoo! 7 at the Australian Open Tennis Tournament
- Built custom internal and client-facing web tools using PHP, HTML, JavaScript

EDUCATION

Tufts University School of Engineering

May 2019

B.S. in Computer Science, Minor in Entrepreneurship

Magna Cum Laude

SKILLS

Languages

Kotlin, Java, JavaScript, Python, C/C++, HTML, CSS, PHP, LaTeX

Frameworks

Jetpack Compose, React, React Native, Redux, Node, Django, MySQL

Tools

Android Studio, Unix, Mercurial, Git & Github, SVN