

# Ryan Farrow

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## EDUCATION

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University of Notre Dame

*Bachelor of Science in Computer Science*

Notre Dame, IN

May 2022

## EXPERIENCE

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Microsoft Azure

*Software Engineer*

August 2022 – Present

Redmond, WA

- Built feature for asynchronous deletion of VM images, eliminating ~6000 spurious failures in integration tests weekly
- Managed buildout of VM image service in two new regions in Azure, enabling customers to lower latency and improve resiliency of their apps
- Mitigated 28 live-site incidents, promoting positive customer experiences with VM image service

Ford Motor Company

*Software Engineering Intern*

June – August 2021

Remote

- Developed Swift code for FordPass and LincolnWay apps, fixing technical debt, making UI improvements for new dark mode release, and implementing analytics to discover what parts of app should be deprecated. Closed 16 Agile stories on these issues
- Deployed cutting-edge circuitry visualization feature using custom SwiftUI assets
- Learned and worked with RxSwift, proprietary UI assets, and custom-built APIs to complete stories

Capsule

*Lead Software Engineer*

March – December 2021

Notre Dame, IN

- Built the MVP of a faith-based social media iOS app using Swift (UIKit + SwiftUI) and designed assets
- Led the development of Web app and collaborated to build the backend on Google Cloud Services
- Consulted with founder to add features that improved market fit and ensured App Store compliance

Race to Revenue 2020

*Startup Founder*

May – July 2020

Notre Dame, IN

- Selected as a participant for business incubation mentorship program with twice-weekly seminars on business planning, best practices, and product development
- Conducted customer interviews and incorporated feedback to develop a marketable product
- Pitched for initial seed grant of \$1350 and led multiple iterations of ideation cycle to improve product

**PROJECTS** | GitHub: [github.com/rfarrow1010](https://github.com/rfarrow1010) | Demo page: [rfarrow1010.github.io](https://rfarrow1010.github.io)

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Shoebox

- IOS native app that allows runners to track distance traveled in their running shoes with no input, along with easy record management

Scalable Audio Transcription

- Cloud-scalable system deployed on Amazon EC2 that uses a Python script to divide an audio file into small chunks, transcribe each chunk in parallel with DeepSpeech, and compile the result

## SKILLS AND INTERESTS

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Languages: Python, Swift, C# (advanced); C/C++, JavaScript (proficient); Java, Bash (familiar)

Skills: Linux/Unix, Git, HTML/CSS, AWS/Firebase, .NET

Interests: Running, Basketball, Skiing, Reading, Comedy