Justin Hoyt

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Skills

- *Experienced languages:* Python, Java, and JavaScript/TypeScript.
- *Partially experienced languages:* Go, Ruby, PHP, C++, and C#.
- *Frameworks and Libraries:* React, Guice, Dagger 2, FP-TS, and Spring Boot

Experience

Software Engineer | GCP Developer Experience at Google | Kirkland, WA   May 2022 – Present

- Delivered the Source Protect feature in CloudCode, **showing security and license vulnerabilities** in VS Code.
- Designed and Delivered a SQL scripting framework with testing, deployments, autowired configs, and dev environments.
- Worked closely with upper management to deliver an extensible dashboard for unique monthly users with extensive filtering.
- Created a declarative integration testing library for explorer tree tests in VS Code with built-in logging of failed tree searches.
- Created monitoring for flakey presubmit tests which we used to prioritize test flake fixes, **lowering flakes from 33% to 11%**.

Software Engineer | Alexa at Amazon | Seattle, WA   July 2020 – May 2022

- Designed and delivered the Alexa ASIN Verification service that determines if an ASIN is shoppable via Alexa.
- Architected and lead the development of the web client for managing and creating voice actionable ads, replacing the manual process of creating these utterances. This **increased Alexa actionable ad revenue by an order of magnitude**.
- Taught TypeScript, React, Jest, and monadic functional programming with FP-TS as the subject matter expert in the frontend.
- Delivered the headed Alexa ad experience for Buick's large TV commercial campaign.

Software Engineer | Autonomous Vehicle LLC at Ford Labs | Dearborn, MI   Jan 2020 – June 2020

- Working at a project startup incubator that proves or disproves the viability of new products. We rapidly develop and scale products to transition back to their home organization in the enterprise.
- Developed the new Ford and Lincoln owner's help page, help.ford.com, with human-centric design and written at scale to meet our **millions of monthly users** on ford.com.
- Integrated single sign-on experience with our application to pull user's VINs automatically to check for Sync updates and information on recalls.
- Leveraged Gatsby.js to generate, cache, and prefetch static webpages.
- Enable faster content publishing without developer intervention by integrating Gatsby.js with Netflify.
- Developed reusable React components that can be imported into Netlify for easy use by designers when creating a new page.

Software Engineer | Mobility Research Department at Ford | Dearborn, MI   Jan 2019 – Dec 2019

- Worked with an undisclosed partner integrating a proprietary sensor to detect hidden codes in signs and city infrastructure to be read by the vehicle. These messages can relay live traffic and worksite information to the vehicle along with being able to stream images, audio, and text to the entertainment system for a more immersive experience when driving in a city.
- Delivered **successful live vehicle demo** to executives in a track with hidden codes at various locations throughout the ride.

Software Engineer | Fintech Department at Ford Credit | Dearborn, MI   Jun 2017 – Dec 2018

- Worked on My Next Vehicle (MNV), a service that uses machine learning to provide their next vehicle recommendations intelligently. I also developed on the Personal Lifetime Communications (PLC) product, a web-app that provides relevant contract information and experiences to easily renew a lease or buy a new Ford or Lincoln.
- Designed and implemented vehicle upgrade recommendations, pre-approvals, and estimated monthly payments on MNV, resulting in a click-through rate **850% higher** than the industry average.
- Expanded PLC to include Lincoln customers and retail finance customers, doubling our monthly visitors to **over 100,000**.
- Designed and lead the technical interview process that resulted in **eight hires across three teams** in Ford Credit.

Education

University of Michigan - Dearborn   Graduated April 2017

- Bachelor of Science in Computer and Information Science.   **3.88 GPA | High Distinction**
- Majored in Computer Science.