

Aubin Carlson Lohier

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EXPERIENCE

- **Meta** Seattle, WA
Software Engineer II - Privacy Infrastructure Org *July 2021 - July 2024*
 - **Summary:** Founding member of Meta's Privacy Infrastructure Org. Drove a 26% increase in team's adherence to clean coding standards by creating and championing tech debt clean-up plans. Improved team's sense of belonging and authenticity by 19% and 17% respectively half over half by organizing social events. Gave brownbags, demos, and answered user questions.
 - **Policy Zone Manager:** Worked on an internal tool that used code verifiers to enforce purpose limitation, allowing engineers from WhatsApp, Oculus, Novi, Messenger, and Ads to monitor, retain, and enforce data privacy commitment. Designed and implemented a data asset suggestion feature that drove a 10% increase in verifier coverage, which unblocked an org wide privacy adoption goal (H2 2023). Drove a project that projected a 7.4x speed gain in Meta's continuous verification system and a 96% reduction in queries, while improving system stability (H1 2024). Designed and implemented a recommended remediation UI feature that was a cross team effort and saved 1500 engineering hours over 2 weeks and semi auto-remediated over 3000 verifier verification states (H2 2022). Reduced page load times by 80% by implementing caching, addressing a critical UX blocker (H2 2023).
 - **Data Use Review Tool:** Worked on an internal tool that tracked data flows through Meta web technologies to enforce purpose limitation. Simplified user workflows and processes, including a feature that was self-designed and allowed engineers to declare sensitive data location through a UI, reducing an engineering day to a few clicks (H2 2021).
 - **BiiKeeper:** Drove cross-org collaboration with Data Enrichment team to ship an MVP for an internal tool that eventually became a key part of Bii label prediction engine onboarding (H2 2023), allowing analysts to quickly and easily establish ground truth for label predictions. Led the entire development of this tool, including planning, requirement gathering, demos, and phased rollouts.
- **Facebook** Remote
Software Engineering Intern *May 2020 - August 2020*
 - **Summary:** Designed, developed, and implemented features to support a smart human labeling platform with strong support for machine learning.
- **Facebook** Menlo Park, CA
University Engineering Intern *June 2019 - August 2019*
 - **Summary:** Designed, implemented, and developed an Android mobile application as part of team (**local.ly**) after being trained in Android development.
- **ForagerOne, LLC** Baltimore, MD
Core Developer *Dec. 2017 - Feb. 2019*
 - **Summary:** Worked on the backend functionality for the faculty side of the server (MySQL). Helped remodel database infrastructure for a more intuitive layout and issue fixing. Focused on user interface enhancement. Helped redesign several core web pages, including the project application page, messaging page, and the applicant email.

SKILLS

- **Languages:** Javascript/React/jQuery/TypeScript, Hack/PHP, MySQL, Python, Java, C/C++, OCaml
- **Technologies:** GraphQL, Android Application Development, Git, UNIX/Linux, Firebase, Parse, Google Cloud Platform, HTML/CSS/Angular, Java Server Pages, Electron Framework, JUnit Testing, Node.js

EDUCATION

- **The Johns Hopkins University** Baltimore, MD
Bachelor of Science in Computer Science *Aug. 2017 - May 2021*
 - **Relevant Coursework:** Artificial Intelligence, Parallel Programming, Information Retrieval and Web Agents, Introduction to Human Language Technology, User Interfaces and Mobile Applications, Databases, Functional Programming in Software Engineering
 - **Distinctions:** JHU Association for Computational Machinery Secretary (2018-2019), Events Chair (2019-2020), and Vice Chair (2020-2021), Bloomberg Scholar, HopHacks Fall 2019/2020/2021 Organizer, Invited to attend the STAQ Quantum Computing Conference at Duke University