

JONAH FLEISHHACKER

jonah.fleishhacker@gmail.com ◊ jonahdf.com ◊ github.com/jonahdf

EDUCATION

University of Chicago

2018-2022

Bachelor of Science in Computer Science
Honors: Cum Laude (GPA 3.83/4.00)

EXPERIENCE

Amazon

2024 - Present

Software Development Engineer II, AmazonUI

San Francisco, CA

- **Revamped Integration Testing:** Led the development of AmazonUI's new front-end integration testing framework using Jest/Puppeteer, driving the migration of over 4,000 customer software packages to the updated system.
- **ETL Data Pipeline Mentorship:** Designed and oversaw an internship project to build an ETL pipeline for automated metrics aggregation from build system data, deployed on ECS Fargate.

2022 - 2024

Software Development Engineer, AmazonUI

San Francisco, CA

- **Build Tooling Contributions:** Enhanced build tooling processes to optimize variant transformations of front-end assets, improving overall system efficiency. Added metrics reporting to surface issues that could lead to runtime asset injection latency, and additional metrics to surface design system styling violations.
- **Framework Development:** Developed build-system and browser libraries to integrate a new “write-once” framework with existing asset injection and version resolution systems.
- **Cost Optimization:** Spearheaded AmazonUI's migration of legacy software to AL2 ARM hosts, unblocking over \$10M of infrastructure savings.

Mobius Materials

June - September 2021

Software Development Intern

San Francisco, CA

- **Silicon Shortage Tracker:** Developed a tracker webpage to connect users with available marketplaces; improved SEO through pre-rendering public-facing pages.
- **Auth Migration:** Assisted in the migration of authentication/authorization system.

Khomtchouk Lab, University of Chicago

June - December 2020

Research Assistant, Team Lead, Section of Computational Biomedicine

Chicago, IL

- **Visualization Research:** Led team of developers to create a demo of 3D force-directed graph visualization for biological network data.

TECHNICAL STRENGTHS

Languages TypeScript, Kotlin, Python, JavaScript, Java

AWS CloudFormation, CDK, ECS Fargate

Other Skills Data pipelines, Dependency management, Front-end asset build/deployment systems

PERSONAL PROJECTS

Covid Twitter Bot

2021

Fetches data from HHS and NYT datasets, creates visualizations and posts daily on Twitter. Received over 2000 followers and 1.5 millions impressions in the first month of posting. Source code on [GitHub](#).

AWARDS AND HONORS

University of Chicago: Dean's List, Metcalf Scholar

International Conference On Functional Programming, Scheme 2020: Keynote Speaker
21st Century Lisp in Academic Research and Pedagogy. [Link to presentation](#)