# **Nuri Amari**

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### **Skills**

Languages: Python, C++, JavaScript/TypeScript

Frameworks: Django, d3, React, Redux

Technologies: Redis, Webpack, Babel, Docker, Jenkins, CMake, Unix, Git

# **Experience**

#### Facebook | Compiler Engineering Intern

Aug- Dec 2021

- Modified LLVM's binary tools to improve support for MachO object files
- Improved Swift's C/Obj-C interop user experience by introducing new diagnostics to the compiler

#### **Amazon** | Software Engineering Intern

May - Aug 2021

 Designed, implemented and shipped a recommendations feature, helping X M customers improve their product listings

#### **Electronic Arts** | *C++ Engineering Intern*

Sep - Dec 2020

• Developed a pipeline to automatically bootstrap test levels with online service infrastructure

#### A Thinking Ape | Software Engineering Intern

Jan - Apr 2020

- Created a uWSGI worker profiling tool allowing engineers to easily collect flamegraphs and other performance metrics from production
- Implemented a thread safe Redis wrapper and Django middleware to log per request Redis latency metrics
- Identified and resolved performance bottlenecks, reducing latency of numerous REST APIs by over 50%
- Configured a Python daemon and TCP server to allow engineers to programmatically execute shell commands on remote machines

## Splunk | Front End Software Engineering Intern

May - Aug 2019

- Created a patent pending JSON viewer capable of displaying and searching files 10x larger than competitors
- Improved application responsiveness using virtualization, web workers, memoization and the JS event loop
- Produced a library of animated and interactive data visualization components with SVG, d3.js, and React

# **Projects**

## Java 1.3 Compiler

- A compiler for a subset of Java 1.3, written in C++, producing x86 assembly
- Wrote a <u>lexer generator</u>, LALR1 grammar and code generation tools for various language features such as local variable mutation and method/constructor invocation

# **Education**

## **University of Waterloo**