

# Harun Feraidon

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website: [harunferaidon.github.io](https://harunferaidon.github.io)  
code: [github.com/harunferaidon](https://github.com/harunferaidon)

<b>Education</b>	<b>B.S. Computer Science, University of Virginia</b> Relevant Courses: Internet Scale Applications, Cloud Computing, Databases	May 2021
<b>Experience</b>	<b>The Mitre Corporation</b> , Software Engineer, McLean, VA <ul style="list-style-type: none"><li>• Building full-stack for a World Health Organization (WHO) sponsored application built for users worldwide who conduct verbal autopsies.</li><li>• Designed and deployed a pipeline that calculates the similarity of two satellite images, allowing U.S. government organizations to create satellite image datasets.</li><li>• Reduced latency by researching various neural network models, multi-threading for the feature extraction process, and utilizing nearest-neighbors graph search for the final results.</li><li>• Collaborated with technical and non-technical teams, gained experience in Python, Django, React, Machine Learning, Docker, and more.</li></ul>	Aug. 2021 - current
	<b>Meta</b> , Software Engineer Intern, Remote <ul style="list-style-type: none"><li>• Built product infrastructure in Python and Hack for automation of assigning labels on Facebook content data, replacing a human labeling process.</li><li>• Developed a feature to compute accuracy metrics for ML-based labels, enabling data scientist peers to analyze quality with those of human labelers.</li><li>• Saved a customer team \$3000 per day by successfully transitioning them from a human-labeling process to an automated labeling system.</li></ul>	May 2020 - Aug. 2020
	<b>University of Virginia CS Teaching Assistant</b> <ul style="list-style-type: none"><li>• <b>Algorithms:</b> Assisted in problem set writing, grade coursework, and held weekly office hours to assist students with questions and course material.</li><li>• <b>Object Oriented Programming (Java):</b> Held office hours for to assist students with coding assignments, prepared and hosted exam-review sessions.</li></ul>	Aug. 2018 - Dec. 2019
<b>Projects</b>	<b>Washington D.C. Metro Commands</b> <ul style="list-style-type: none"><li>• Built a command line app for sending commands to get live information on the DC Metro, and published as a Python library.</li><li>• Returns the shortest path from any station by running Dijkstra's algorithm on a graph representation of the DC Metro system.</li></ul>	Mar. 2023
	<b>Habits Tracker</b> <ul style="list-style-type: none"><li>• Built a web app to track your daily habits with contribution charts.</li><li>• Handles backend requests with Python Flask, displays frontend UI with React, manages database in MySQL, and authenticates users via Google. All containerized with Docker.</li></ul>	Feb. 2023
	<b>Analysis of Charlottesville Parking Tickets</b> <ul style="list-style-type: none"><li>• Employed machine learning classifiers to predict the probability of appealing a parking ticket in Charlottesville with an 80% accuracy rate.</li></ul>	Mar. 2021
	<b>Research Project for University's Engineering Open House</b> <ul style="list-style-type: none"><li>• Programmed mini drones to play Pong in augmented reality using Python and Unity.</li><li>• Demoed to UVA's Open House to prospective high school students.</li></ul>	Nov. 2020
<b>Skills</b>	Python, JavaScript, React, Flask, Django, Java, C++, Docker, MySQL, Metaprogramming	