

Juan Lasheras

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juanl.org, github.com/jlas
US Citizen

Skills	Proficient Python, JS, C, HTML5/CSS3, SQL, Git/SVN/hg, AWS/GCP/Azure, GNU/Linux, kdb+/q Knowledgeable Rust, Java, C++, AI/CV/ML, Lisp, PHP, NoSQL, Realtime, Windows, Agile	
Work	Retool (YC Top Startup #26 2023) Staff Software Engineer <ul style="list-style-type: none">Performance engineering tech lead; made Retool >50% fasterMigrated to ViteJS https://retool.com/blog/vitejs-migrationContributions to new product lines including RetoolDB and Agents Standard Cognition (YC Top Startup #33 2019+2020) Staff Software Engineer <ul style="list-style-type: none">First tech hire. Tech lead for backend team.Contributions across various infra and product teams: perception & mapping, human tracking, product analytics, realtime core, computer vision, site reliability, embedded devices, mobile & frontend U.S. Securities and Exchange Commission (SEC) Senior Software Engineer (Contractor) <ul style="list-style-type: none">Lead dev for the National Exam Analytics Tool (NEAT).NEAT programmatically analyzes millions of trades to detect fraud.SEC Chair Mary Jo White on NEAT: "These efforts and others have enhanced our ability to reach more registrants, and more effectively use our limited examination resources." [1]Implemented 3NF relational database schema in kdb+/q to link raw and reference data.Designed and built a B-tree based time series component to visualize HFT data.kdb+/q, python (pandas, numpy, flask), javascript (es6, react.js) Coffeetheapp (Social Networking Startup) Lead Engineer <ul style="list-style-type: none">Built professional networking webapp (think LinkedIn) with desktop & mobile responsive design. Lab49 (Fintech Consulting) WebUI Consultant <ul style="list-style-type: none">Developed enterprise (50k+ LOC) data-driven real estate management software (AngularJS v1). Kioos (E-commerce Startup) Senior Software Engineer <ul style="list-style-type: none">First hire. Built MVP in 3 months: gamification solution for popular e-commerce platform Magento. Advanced Simulation Technology, Inc. Software Engineer <ul style="list-style-type: none">Developed real-time software for MIL and commercial flight simulators.	<i>San Francisco, SF</i> 2021 - Present <i>San Francisco, SF</i> 2017 - 2021 <i>New York, NY</i> 2015 - 2017 <i>New York, NY</i> 2015 <i>New York, NY</i> 2014 <i>São Paulo, Brazil</i> 2013 - 2014 <i>Herndon, VA</i> 2009 - 2013
Projects / Code	ml.q github.com/jlas/ml.q <ul style="list-style-type: none">Machine Learning for kdb+/q Kaggle github.com/jlas/kaggle <ul style="list-style-type: none">Applied Machine Learning competitions. Sample Code github.com/jlas/sample-code <ul style="list-style-type: none">Small code samples: Project Euler, HackerRank, and more.	2016 - Present 2015 - Present 2013 - Present
Education	Georgia Tech M.Sc. Computer Science, Machine Learning specialization Carnegie Mellon University B.Sc. Electrical and Computer Engineering, with Honors	<i>Online</i> May 2020 <i>Pittsburgh, PA</i> May 2009

This document is available at <http://www.juanl.org/resume.pdf>

[1] <https://www.sec.gov/news/testimony/white-testimony-sec-agenda-fy2018-budget-request.html>