

Juan Lasheras

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juanl.org, github.com/jlas
US Citizen

Generalist engineer and creative problem solver with 16 years of industry experience

Skills	Proficient	TypeScript, JS, Python, C, HTML5/CSS3, SQL, Git/SVN/hg, AWS/GCP/Azure, GNU/Linux
	Knowledgeable	Rust, kdb+/q, Java, C++, AI/CV/ML, Lisp, PHP, NoSQL, Realtime, Windows, Agile
Work	Retool (YC Top Startup #26 2023)	San Francisco, CA
	Staff Software Engineer	2021 - Present
	<ul style="list-style-type: none">Created performance engineering function; made Retool >50% faster.Boosted dev productivity by migrating to ViteJS https://retool.com/blog/vitejs-migrationContributions to new product lines including RetoolDB, Agents, and Copilot.	
	Standard Cognition (YC Top Startup #33 2019+2020)	San Francisco, CA
	Staff Software Engineer	2017 - 2021
	<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)	New York, NY
	Senior Software Engineer (Contractor)	2015 - 2017
	<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)	2015
	<ul style="list-style-type: none">Built professional networking webapp (think LinkedIn) with desktop & mobile responsive design.	
Projects / Code	Lab49 (Fintech Consulting)	2014
	<ul style="list-style-type: none">Developed enterprise (50k+ LOC) data-driven real estate management software (AngularJS v1).	
	Kioos (E-commerce Startup)	2013 - 2014
	<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.	2009 - 2013
	<ul style="list-style-type: none">Developed real-time software for MIL and commercial flight simulators.	
	doom.q	github.com/jlas/doom.q
	<ul style="list-style-type: none">Port of DOOM game source code to kdb+/q	
	ml.q	github.com/jlas/ml.q
	<ul style="list-style-type: none">Machine Learning for kdb+/q	
Education	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.	
	Georgia Tech	Online
	M.Sc. Computer Science, Machine Learning specialization	May 2020
	Carnegie Mellon University	Pittsburgh, PA
	B.Sc. Electrical and Computer Engineering, with Honors	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>