

Juan Lasheras

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US Citizen

Skills	Proficient Python, C, JS, kdb+/q, Git/SVN/hg, AI/ML, HTML5/CSS3, AWS/GCP/Azure, GNU/Linux Knowledgeable Java, C++, Lisp, PHP, SQL/NoSQL, Realtime, Windows, Agile	
Work	Standard Cognition Staff Software Engineer <ul style="list-style-type: none">Standard Cognition is a Y Combinator-backed company building autonomous checkout for retail.First tech hire. Lead dev for backend.Contributions across various infra and product teams: perception & mapping, human tracking, product analytics, realtime core, computer vision, site reliability, embedded devices, mobile & frontend	<i>San Francisco, SF</i> Oct 2017 - Present
	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.Oversaw transition from prototype to production rollout to 1k+ enterprise users.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]Developed illustrative visualizations to easily spot suspicious trading.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.Worked closely with quants and researchers to build analytical tools.kdb+/q, python (pandas, numpy, flask), javascript (es6, react.js)	<i>New York, NY</i> June 2015 - June 2017
	Coffeetheapp (Social Networking Startup) Lead Engineer <ul style="list-style-type: none">Built professional networking webapp (think LinkedIn) with desktop & mobile responsive design.	<i>New York, NY</i> Jan. 2015 - April 2015
	Lab49 (Fintech Consulting) WebUI Consultant <ul style="list-style-type: none">Developed enterprise (50k+ LOC) data-driven real estate management software (AngularJS v1).	<i>New York, NY</i> May 2014 - Dec. 2014
	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.	<i>São Paulo, Brazil</i> May 2013 - Jan. 2014
	Advanced Simulation Technology, Inc. Software Engineer <ul style="list-style-type: none">Developed real-time audio and DSP components in C.Built URC-200 (MIL radio) remote control system: realtime driver in C talking to a web UI.Built framework for automating VoIP clients at large scale (100+ clients).	<i>Herndon, VA</i> June 2009 - April 2013
Projects / Code	ml.q github.com/jlas/ml.q <ul style="list-style-type: none">Machine Learning for kdb+/q	2016 - Present
	Kaggle github.com/jlas/kaggle <ul style="list-style-type: none">Applied Machine Learning competitions.	2015 - Present
	Sample Code github.com/jlas/sample-code <ul style="list-style-type: none">Small code samples: Project Euler, HackerRank, and more.	2013 - Present
Education	Georgia Tech M.Sc. Computer Science, Machine Learning specialization	<i>Online</i> May 2020
	Carnegie Mellon University B.Sc. Electrical and Computer Engineering, with Honors	<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>