

Juan Lasheras

US: (201) 314-6280
juan.lasheras {at} gmail {dot} com
juanl.org, github.com/jlas
US Citizen

Skills	Proficient	Python, C, JavaScript, kdb+/q, Git/SVN/hg, HTML5/CSS3, GNU/Linux
	Knowledgeable	Java, C++, Lisp, SQL/NoSQL, Machine Learning, Realtime, AWS/Cloud, Agile
Work	U.S. Securities and Exchange Commission	New York, NY
	Senior Applications Engineer (Contractor)	June 2015 - Present
	<ul style="list-style-type: none">Lead dev for the National Exam Analytics Tool (NEAT)NEAT programmatically analyzes millions of trades to detect fraudOversaw transition from prototype to production rollout to 1k+ enterprise usersChair 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 tradingImplemented proper (3NF) relational database schema in kdb+/q to link raw and reference datakdb+/q, python (pandas, numpy, flask), javascript (es6, react.js)	
	Coffeetheapp	New York, NY
	Lead Engineer	Jan. 2015 - April 2015
	<ul style="list-style-type: none">Built professional networking platform for web with AngularJS featuring seamless responsive design.Developed machine learning algorithms for recommending job candidates & professional matches.Used docker to create reproducible environments for development and continuous integration (via Jenkins).	
	Lab49	New York, NY
Projects / Code	WebUI Consultant	May 2014 - Dec. 2014
	<ul style="list-style-type: none">Developed an enterprise (50k+ LOC) AngularJS real-estate management application, featuring virtualized datagrids and data-driven components.	
	Kioos	São Paulo, Brazil
	Senior Software Engineer	May 2013 - Jan. 2014
	<ul style="list-style-type: none">First hire. Built MVP in 3 months: an e-commerce + gamification solution for Magento (PHP).	
	Advanced Simulation Technology, Inc.	Herndon, VA
	Software & Project Engineer	June 2009 - April 2013
Education	<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), featuring: a distributed architecture (using the Actor model, via python-actors), and Zeroconf integration (via avahi).	
	JPMorgan Chase & Co.	New York, NY
	Summer Technology Analyst	Summer 2008
	<ul style="list-style-type: none">Programmed test scripts in Java and Python for a securities trading platform.	
	Sample Code	github.com/jlas/sample-code
	<ul style="list-style-type: none">Small code samples: Project Euler, HackerRank, and more.	
	ml.q	github.com/jlas/ml.q
	<ul style="list-style-type: none">Machine Learning for kdb+/q	
	Kaggle	kaggle.com/juanlasheras
	<ul style="list-style-type: none">Applied Machine Learning competitions.	
	Quirky	github.com/jlas/quirky
	<ul style="list-style-type: none">Open source clone of the Qwirkle board game. Made with node.js and jQuery.	
	Georgia Tech	Atlanta, GA
	M.Sc. Computer Science	2018 (Expected)
	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>