C. David Sanders

Software Developer

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● davesque

Creative and accomplished software dev looking to employ an expert-level knowledge of Python, a strong interest in deep learning, and a general love of all things tech. Let's build the future together.

Education & Coursework

2014–Present	**Deep Learning Coursework**, *Coursera*, Online.
	Deep Learning Specialization (Andrew Ng), Machine Learning (Andrew Ng).
2013–2017	**Engineering Coursework**, *University of Colorado*, Boulder, CO.
	Calculus 2 & 3, Data Structures, Computer Systems, Linear Algebra, Discrete Mathematics, Algorithms, Principles of Programming Languages. 3.88 GPA.
2005–2009	**Bachelor of Arts**, *University of Colorado*, Boulder, CO.
	Dean's list 7 out of 8 semesters. 3.78 GPA.

Skills

Languages	*In order of familiarity*: Python, Javascript, SQL, Scala, Haskell, Java, C++, Rust, Go
Libraries	Django, Django REST Framework, NumPy, Pandas, OpenCV, Keras, Tensorflow, Scikit Learn
Misc. Tech.	Vim, Bash, Tmux, Git, Docker, Salt Stack, Linux
Misc. Skills	Deep Learning & Machine Learning

Open Source

Simple JWT	A JSON Web Token authentication plugin for the Django REST Framework.
"s"	A simple shell script manager.

Experience

Nov 2013–Mar 2018	**Senior Software Developer**, *Specialized Bicycle Components (Retül)*, Boulder, CO.
	Developed REST API services for data collection from digital measurement devices. Services written in Python (Django Framework) and deployed as Docker containers on Heroku. Some services also deployed to cloud-hosted Linux VPS (configuration managed with Salt Stack). Used NumPy and Pandas libraries to implement proprietary search and data analysis routines. Administered all Retül department web services. Developed pressure point detection algorithm for pressure reading device. Built continuous integration pipeline using Docker and CircleCI. Researched deep learning techniques and possible applications. Mentored junior devs and conducted code review.
Jan 2012–Nov 2013	**Software Developer**, *Fusionbox*, Denver, CO.
	Developed web apps and APIs with Python (Django framework). Developed single page apps using Angular.js and Backbone.js. Was responsible for every aspect of project development (except graphic design), deployment, and runtime environment provisioning. Deployed projects via Fabric (Python) to cloud-hosted Linux VPSs (configuration managed with Puppet). Apps were served via Lighttpd and Uwsgi.
May 2011–Nov 2011	**Software Developer**, *Lighthouse Solar*, Boulder, CO.
	Developed contract bidding system and customer portal web apps in PHP, Java, and Javascript over MySQL, Apache, and Linux. Administered bidding system servers.

Interests

Technical	Deep Learning & Machine Learning, Computer Vision, Mathematics, Programming Language Design & Theory
Musical	Classical Guitar, North Indian Classical Tabla
Linguistic	Japanese (elementary proficiency)
Athletic	Cycling, Running, Functional Fitness