Nicolas Hahn

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Experience

Full-stack Software Engineer Distribute

Jul 2016 - Apr 2018

- Created features for a wholesale platform seeing millions in annual sales
- Developed for the full stack, from database revisions up to the CSS
- Transitioned frontend from Angular 1 to React
- Backend: Python, Flask, SQLAlchemy, MySQL, PostgreSQL
- Frontend: Typescript, AngularJS, React+Redux, HTML, CSS

Platform Engineer Sqor Sports

Jan 2016 - Jul 2016

- Built tools for a 30+ engineer team, replaced legacy code, tested new code, server upkeep, and general AWS tasks
- Set up load testing system for testing our AWS Lambdas w/ Locust, EC2
- Set up ELK logging stack on all production servers
- Made image diffing Lambda to test our new image processing code vs. legacy
- Python, NodeJS, Bash, Amazon Web Services

NLP Research Assistant UC Santa Cruz

Jul 2015 - Jan 2016

- Gathered, cleaned, organized Reddit, Twitter posts into MySQL database
- Used machine learning techniques to discover features which indicate sarcasm
- Built the data pipeline for 2016 SemEval Task 6: Detecting Stance in Tweets: http://m-mitchell.com/NAACL-2016/SemEval/pdf/SemEval70.pdf
- Python (SQLAlchemy, NLTK, Numpy, Scikit), MySQL, Weka

Repositories

diffimg

github.com/nicolashahn/python-image-diff

• Python library to quantify and visualize the difference between two images

pi-helmet-cam

github.com/nicolashahn/pi-helmet-cam

• Raspberry Pi motorcycle helmet-mounted camera

py-search-hn

github.com/nicolashahn/py-search-hn

• Execute Hacker News search queries using Python

Programming Skills

- Proficient in Python, Javascript/Typescript, Bash, HTML, CSS, SQL
- Have worked with Clojure, Java, NodeJS, Haskell, C, Prolog, LATEX
- Databases: MySQL, PostgreSQL, Firebase (NoSQL)
- Web development: Flask, AngularJS 1.x, React+Redux
- Infrastructure: Docker, Heroku, AWS, RabbitMQ
- Natural Language Processing (NLP), machine learning w/ NLTK, Weka
- Load testing using Locust, Seige
- Mobile development in Android Studio, React-Native
- Preferred editor: Vim

Education

University of California, Santa Cruz 2015

Computer Science GPA: 3.87

B.A. in Computer Science

• Algorithms, Web Development, Artificial Intelligence, NLP, Functional Programming, Mobile Development

B.A. in Art

• Graphic Design, Film and Digital Photography, Illustration, 3D Design, 3D Modeling and Animation, Metal Fabrication

Hobbies

Reading, photography, travel, cooking, soccer, motorcycles, woodworking