Nicolas Hahn

nicolas@stonespring.org

nicolashahn.github.io

github.com/nicolashahn

1660 Florida St.

San Francisco, CA, 94110

(408) 799-4714

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