Dan Arters

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Education
The Ohio State University, Columbus OH
Self-taught programmer while studying Mechanical Engineering, 2013-2016
Batchelor of Science in Computer Science and Engineering, Expected May 2019
Current GPA: 3.9

Employment
VP Engineering, Hatchli   May 2016-April 2017
business.hatchli.io / https://www.crunchbase.com/organization/hatchli
- Graduate of Brandery Accelerator (ranked top 10 in US, <0.1% acceptance rate) class of 2017
- Lead development of backend architecture for web/iOS
- Deployed and maintained production and development environments on AWS
- Developed analytics dashboards to gain insights from user data

Research Fellow, Ohio State University, Interactive Data Systems   April 2017-Present
interact.osu.edu
- Created tool for realtime visualization/manipulation of large spatiotemporal datasets
- Developed react/redux frontend, interacting with postgres DB through node.js API
- Extensive work on optimizations towards unnoticeable feedback delay, including database sampling, parallelized queries, and predictive cacheing and indexing

Contract Developer, Fadstir   April 2017-Aug. 2017
Awaiting pilot with multiple online clothing retailers
- Sole full stack developer integrating with existing company's tech
- Developed a decision tree based chatbot to give tailored clothing recommendations
- Vanilla HTML/CSS/Javascript templated frontend with Django backend, deployed on AWS

Contract Developer, Scent Trunk   Feb. 2017-June 2017
scenttrunk.com
- Lead backend developer on team of four
- Developed web app for customer storefront and internal fulfillment processing
- Deployed to auto scale on AWS to handle high traffic bursts for marketing launches

Skills/Experience
Extensive knowledge/production experience with…
- python/Django
- AWS DevOps (EC2/Elastic Beanstalk/S3/ RDS… etc, the sea of acronyms)
- javascript/node.js
- vanilla HTML/CSS/Javascript frontend
- react/redux
- non-rel databases including elasticsearch/redis/ rethink db/mongo db
- Docker
- raw SQL/postgres database dev-ops

Project experience with…
- custom nginx/apache webservers
- swift iOS applications
- python machine learning with sklearn/NLTK
- web scraping
- java/jUnit testing
- arduino-like autonomous robot in c++

Languages
- python
- javascript
- SQL
- bash
- java
- swift
- c++
- VBA

Awards/Competitions
- OH/IO Hackathon - Most Ambitious Hack - Nov. 2016
  - (https://engineering.osu.edu/news/2016/12/2016-hackathon-biggest-ever-ohio)
- OSU Datafest - 2nd Place - Mar. 2016
- FEH Autonomous Robotics Competition - 2nd Place - Mar. 2014
- Baldwin Wallace Programming Competition - 2nd Place - 2012