

## Dan Arters

### Education

The Ohio State University, Columbus OH

Self-taught programmer while studying Mechanical Engineering, 2013-2016

Bachelor 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](http://business.hatchli.io) / <https://www.crunchbase.com/organization/hatchli>

- Graduate of Branderly Accelerator (ranked top 10 in US, <0.1% acceptance rate) class of 2016
- 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](http://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 caching 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](http://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 web servers
- 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