

# Kathryn Jackson

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## TECHNICAL SKILLS

**Languages** – PHP, Python, JavaScript/CoffeeScript, HTML, Jade, CSS, Less.js

**Web development** – Laravel, Meteor (JS), Postman, AngularJS, Django, jQuery, AJAX, Bootstrap

**Databases** – NoSQL (MongoDB), SQL (PostgreSQL, Redshift)

**Data analysis** – BigML, Upsolver, machine learning and plotting in Python - Pandas, Matplotlib, Scikit-Learn

**Other** – Unix, Linux, Docker, Git, JIRA, Functional and object-oriented programming, Agile

## RELEVANT EXPERIENCE

### Backend Developer

*Element451* January 2018 - present

*Spark451* March 2017 - January 2018

- Maintaining Element451, a web-based CRM for higher-education admissions programs
- Developing an API in Laravel framework with PHP 7, continuously finding and fixing bugs
- Collecting, modeling, and aggregating user event data as millions of users engage with our platform, using pipelines through MongoDB, Snowplow, BigML, and Upsolver as a foundation for new data-driven features
- Revising Agile processes for feature design, development, and QA to improve company culture
- Working on a distributed team, collaborating with developers in other countries

### Front End Developer

August 2016 – January 2017

*Practicchem, Morrisville, NC*

- Developed software for Arista Slice protein chromatography instrument and Meteor microservices web apps
- Improved Arista instrument usability by fixing bugs and building new features in Arista UI, a web app with AngularJS 1 front end and PostgreSQL database
- Further developed user management features, instrument license activation, and manufacturing tools in three interfacing apps built entirely in CoffeeScript using Meteor with MongoDB database
- Wrote CoffeeScript, Jade, and Less code daily

### Python Developer

March 2016 – June 2016

*The Iron Yard, Durham, NC*

- Developed Smart Driver, a dynamic Django web application to manage data for Uber drivers
- Developed relational PostgreSQL schema and a RESTful API for storing and accessing data
- Front end development using JavaScript, jQuery, DataTables.js, NVD3.js charts, HTML Bootstrap, and CSS
- Other projects include web scraping with Python scripts, machine learning project utilizing Scikit-Learn, Pandas and Matplotlib, command line programs and simulations

## WORK HISTORY

### Copywriter

May 2008 – August 2012 (employed), March 2013 – November 2015 (independent contract)

*Gander Direct Marketing Services, LLS, Greenville, NC*

- Wrote, edited, and proofread web and catalog copy, and executed fast and reliable data entry

### Shift Supervisor, Barista

May 2006 – May 2011, August 2012 – March 2016

*Starbucks, Greenville, NC and Durham, NC*

- Supervised employees in a high-volume store, and coached coworkers on corporate standards and routines

## EDUCATION

*The Iron Yard, Durham NC*

Python Engineering Certificate, Summer 2016

*East Carolina University, Greenville, NC*

Bachelor of Arts in English, Minor: Women's Studies, May 2010

GPA 3.3/4.0

Major GPA 3.9/4.0