

# Will Flowers

Durham, NC

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## Work and Technical Experience

Cisco Systems, Inc – Networking Hardware and Software  
*Automation Engineer*

RTP, NC  
*March 2017 – present*

- Contributed to the framework and testcase base of product that dynamically automates the testing of networks and topologies.
- Implemented git-hooks and CI for standard and custom QA on client and server-side, and JIRA interaction.
- Aided in producing documentation, both automatic via Sphinx, and manually.

**Technologies utilized here:** Python 3 (OO and Functional), \*nix, Docker, REST, Git/Gitlab, Jira, Automation and Testing, Cisco L2/L3 Networking

**Technologies exposed to here:** OpenStack, Openshift, Kubernetes, Ansible, Flask, ELK stack, Windows, Network Traffic Generation Tools

Videntity Systems, Inc - Healthcare and IT Consulting  
*Software Developer*

Durham, NC  
*September 2016 – March 2017*

- Responsible for building and implementing an ETL (Extraction Transform Load) process for Medicare provider and beneficiary data; to be used in a coming alternative payment model called QPP (Quality Payment Program).
- Set-up up pipeline to regularly transform select data from large XML file to CSV, to PostgreSQL, served up in JSON in a RESTful API.

**Technologies utilized here:** Python 3, XML, RHEL, PostgreSQL, AWS, CSV, REST, Django, Git/Github, Jira (agile methodologies)

Videntity Systems, Inc- Healthcare and IT Consulting  
*Developer Intern*

Durham, NC  
*March 2016 - August 2016*

- Unit tested, made Python 3 compatible and helped develop CLI tools to work with public Medicare provider data.
- Set-up and implemented Jenkins CI for existing Python and Django projects.
- Created JSON Schema validation and testing for cutting edge health care data format (FHIR).
- Incorporated results into and with Django-Djmongo: An open-source project which utilizes Django and MongoDB to allow easy REST API creation.

**Technologies utilized here:** Python 2/3, Django, JSON, CI, Git, AWS, Bootstrap, Linux, REST, Apache Web Server, GIMP, MongoDB

## Education

The University of North Carolina at Chapel Hill  
Bachelor of Arts in Mathematics  
*Minor in Mathematical Decision Sciences (Statistics)*

May 2015

Side Projects and Interests: Game Simulation and Reinforcement Learning, Code for Durham: Open Source projects aimed at helping the community, Facial Recognition with Principle Component Analysis