

# Marc W. Billow

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github.com/mbillow 

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## Education

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Rochester Institute of Technology *Rochester, New York*

GPA: 3.7

Networking and Systems Administration, B.S. | Minor: Software Engineering  
Expected Graduation - Spring '18

## Projects

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### Puppet Deployment

Created a version controlled (Git) configuration management solution for Computer Science House using r10k and Hiera on top of Puppet. This allows for large scale changes to be made by committing to a single repository which triggers changes on the Puppet master via web hook.

### Harold *Python and C*

Created a Python program to play a user defined song, or list of songs, in the elevator lobby of Computer Science House when a user authenticates.

### Echo Skills Directory *Python*

Created a REST API for use with Amazon's Echo device in order to provide members of an organization the ability to query for others with desired skills (i.e. "Who knows python?"), allowing the quicker location of peer knowledge.

## Experience

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Indeed.com *Site Reliability Engineer Intern*

Summer '17

Worked on automation surrounding the mass deployment and configuration of virtual machines. Using tools like Puppet, Python and Cobbler to automatically create, initialize and configure virtual machines, I was able to greatly reduce the human effort needed to scale production services.

Constant Contact *Continuous Delivery Intern*

Summer '16

Worked on deploying, maintaining, and improving continuous delivery infrastructure used by a large number of core teams. Became more proficient in test driven Ruby development and gained vast familiarity with CI/D tools like Jenkins, all while supporting and educating development teams.

## Leadership and Hobbies

Computer Science House

- Executive Board '15-17
- System Administrator

RIT Student Government

- Committee Chair '17-Current

Residence Halls Association

- President '16-Current
- Financial Director '15-16

Hugh O'Brien Youth Leadership

## Awards and Recognitions

RIT Computing Medal  
RIT Student Organization President of the Year  
Rensselaer Medal  
RIT Achievement Scholarship  
American Legion Boys State  
VEX Robotics

- '14 New York State Champions
- '13 New York State Design Award

## Skills

Python  
Ruby  
Linux Administration  
Cont. Delivery / Integration  
Cisco IOS  
HTML / CSS / JavaScript  
Autodesk Inventor  
3D Printing  
Photoshop / Sketch