



# Ryan Sherman

Computer Science Senior

## Projects

- 2016 **Suggestr**  
An open source, student created platform for personalized course recommendations. My primary contribution to the project was designing and implementing multi-parameter collaborative filters in SQL to take full advantage of user generated data.
- 2015 **Tensorflow Shape Recognition**  
In a collaborative effort with three other students in my Cognitive Computing course, I worked on applying convolutional neural networks to recognizing hand-drawn shapes using the brand new TensorFlow machine learning library.
- 2012 - Now **Cellular Automata**  
Producing visual and audio output from simple and complex cellular automata. This is a strange one, I admit. It began as implementing a "brain" akin to something I read in a book, I implemented a few types of (what I later learned could be classified as) cellular automata, and visualized them with a re-purposed rendering engine. I go back to toy with it intermittently, and added sound output capability in 2015.

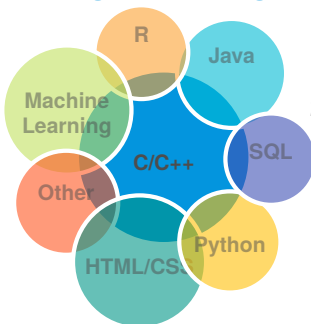
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## Programming



## Education

2013 - Now **Bachelor's Degree in Computer Science** [Rensselaer Polytechnic Institute](#)  
Expected to graduate in May 2017 with a minor in Cognitive Science.

### AI Focus

Beyond the rigorous RPI computer science curriculum, I have striven to take many courses about artificial intelligence and related fields, these advanced courses include Language Endowed Intelligent Agents, Cognitive Computing, Cognitive Modelling, Computational Social Choice, and Machine Learning from Data.

## Honors & Awards

2014, 2016 **Dean's Honor List** [Academic Honor](#)  
Current Cumulative GPA 3.44

## Other Info

Proud member of Alpha Sigma Phi fraternity since January 2014. As a member I have held numerous leadership roles including Vice President, Membership Education Director, and Social Director.

When I want to relax I play improv piano.