

# bryanbugyi

student of computing, A.I. enthusiast, dreamer...

## address

31 Kanabe Drive  
Westampton, NJ  
08060

## contact

(609)500-7081  
bryanbugyi34@gmail

## web

github://bbugyi200  
bryanbugyi.com  
fb://bryan.bugyi

## certifications



## programming

♥ Python  
C/C++  
MATLAB  
CSS3 & HTML5  
JavaScript

## interests

**Artificial Intelligence** artificial general intelligence, machine learning, neural networks, robotics, planning and scheduling, knowledge representation, search and optimization

**Mathematics** probability theory, combinatorics, algorithms and complexity theory, graph theory, matrix theory, proof theory, symbolic logic, set theory

**Cognitive Science** memory and learning, perception, reasoning, productivity

**Philosophy** epistemology, logic, ethics

## education

since 2015	<b>Associate of Science (AS)</b> Majoring in Computer Science	Rowan College at Burlington County
2010-2011	<b>Vocational Degree</b> Computer Networking & Security	Anthem Institute, Cherry Hill, NJ
2005-2009	<b>High School Diploma</b>	RVRHS, Mount Holly, NJ

## experience

2015-2016	<b>Comcast Cable</b> Tier III Technical Support	Mount Laurel, NJ
2013-2015	<b>Comcast Cable</b> Tier II Technical Support	Mount Laurel, NJ
2011-2013	<b>Comcast Cable</b> Tier I Technical Support	Voorhees, NJ








## activities

Fall 2016	<b>Undergraduate Research in Mathematics</b> • Considered various mathematical approaches to solving the problems that arose when attempting to design an agent that could successfully navigate Stuart Russell and Peter Norvig's Wumpus World environment • Explored solutions from several diverse fields of mathematical study including graph theory, probability theory, linear algebra, and matrix theory	Advised by Professor Weisbrod
Spring 2016	<b>Undergraduate Research in Mathematics</b> • Read, discussed, summarized, and worked problem sets from Gary Chartrand's <i>Mathematical Proofs: A Transition to Advanced Mathematics</i> • All assignments were submitted in $\text{\LaTeX}$	Advised by Professor Weisbrod

Spring 2016 **Garden State Undergraduate Mathematics Conference** [maa.org/newjersey](http://maa.org/newjersey)

- Participated in Annual New Jersey Undergraduate Math Competition ([rcbc.edu/news](http://rcbc.edu/news))
- Attended several student talks in addition to Professor Eugene Fiorini's talk on *Criminal Investigation Through Mathematical Examination*

## projects

WIP	<b>Wumpus World Environment</b> 	<a href="https://github.com/bbugyi200/WumpusWorld">bbugyi200/WumpusWorld</a>
	An attempt to design an agent that can logically navigate the environment described by Stuart Russell and Peter Norvig in their conjointly authored text, <i>Artificial Intelligence: A Modern Approach</i>	
WIP	<b>The Short Run Returns of Studying</b> 	<a href="https://github.com/bbugyi200/UtilFunc4Studying">bbugyi200/UtilFunc4Studying</a>
	A conjecture describing how the short run returns of studying could be modeled using an appropriate utility function	
2016	<b>IntelliBudget</b>  	<a href="https://github.com/bbugyi200/IntelliBudget">bbugyi200/IntelliBudget</a>
	A platform independent personal budgeting application complete with a graphical user interface (implemented using Python's Tkinter library) and an SQL database designed to store user expense data	
2016	<b>Personal Website</b>   	<a href="https://github.com/bbugyi200/MyWebsite">bbugyi200/MyWebsite</a>
	Designed using HTML, CSS, and Python's Flask web framework	