bryan**bugyi**

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

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web

github://bbugyi200
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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

Economics decision theory, utility theory, game theory

education

since 2015 **Associate of Science (AS)** — Rowan College at Burlington County
Majoring in Computer Science

2010-2011 **Vocational Degree** — Anthem Institute, Cherry Hill, NJ
Computer Networking & Security

2005-2009 **High School Diploma** — RVRHS, Mount Holly, NJ

experience

2015-2016 **Comcast Cable** — Mount Laurel, NJ
Tier III Technical Support

2013-2015 **Comcast Cable** — Mount Laurel, NJ
Tier II Technical Support

2011-2013 **Comcast Cable** — Voorhees, NJ
Tier I Technical Support

activities

Fall 2016 **Undergraduate Research in Mathematics** — Advised by Professor Weisbrod

- 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

Spring 2016 **Undergraduate Research in Mathematics** — Advised by Professor Weisbrod

- Read, discussed, summarized, and worked problem sets from Gary Chartrand's *Mathematical Proofs: A Transition to Advanced Mathematics*
- All assignments were submitted in LaTeX

Spring 2016 **Garden State Undergraduate Mathematics Conference** maa.org/newjersey

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

projects

WIP **Wumpus World Environment** bbugyi200/WumpusWorld
An attempt to design an agent that can logically navigate the environment described by Stuart Russell and Peter Norvig in their conjointly authored text, *Artificial Intelligence: A Modern Approach*

WIP **The Short Run Returns of Studying** bbugyi200/UtilFunc4Studying
A conjecture describing how the short run returns of studying could be modeled using an appropriate utility function

2016 **IntelliBudget** bbugyi200/IntelliBudget
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 **Personal Website** bbugyi200/MyWebsite
Web content is served to the client with the help of Flask, a lightweight Python web framework