bryan**bugyi**

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

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web

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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

education

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

experience

2015-2016	**Comcast Cable** Tier III Technical Support	Mount Laurel, NJ
2013-2015	**Comcast Cable** Tier II Technical Support	Mount Laurel, NJ
2011-2013	**Comcast Cable** Tier I Technical Support	Voorhees, NJ

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**

- 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** 🐍
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** ◀
A conjecture describing how the short run returns of studying could be modeled using an appropriate utility function

2016   **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** 🐍 📄 📄 📄
Web content is served to the client with the help of Flask, a lightweight Python web framework