**Bryan Bugyi**
Software Engineer
https://github.com/bbugyi200

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bryanbugyi34@gmail.com
(609)500-7081

## Summary

Student of Computer Science and Mathematics at Rutgers University, New Brunswick. Dedicated to writing clean, efficient code using best software development practices.

## Education

- **Rutgers University** — New Brunswick, NJ
  *B.S. Computer Science, B.A. Mathematics (3.80 GPA)* — *2017 - 2019*
- **Rowan College at Burlington County** — Mount Laurel, NJ
  *A.S. Computer Science (4.0 GPA)* — *2015 - 2017*
- **Anthem Institute of Technology** — Cherry Hill, NJ
  *Vocational Degree – Computer Networking, Security, and Repair (3.58 GPA)* — *2010 - 2011*

## Open Source (GitHub) Projects

- **bbugyi200/cookie** — Shell
  *A Template-based File Generator.* — *2018 - Current*
  - Well received by the developer community (over 150 stars on GitHub).
  - Multiple outside contributions have been accepted (e.g. user submitted issues/bug reports and code contributions).
- **bbugyi200/funky** — Python, Shell
  *Makes shell functions easier to define, more flexible, and more interactive.* — *2017 - Current*
  - Well received by the developer community (over 300 stars on GitHub).
  - Multiple outside contributions have been accepted (e.g. user submitted issues/bug reports and code contributions).
- **GermainZ/weechat-vimode** — Python
  *A WeeChat script that adds vi-like modes, commands and keybindings.* — *2017 - 2018*
  - Made several non-trivial contributions to this project. My most significant contribution was a parser that I wrote which was used to replicate vim's `:nmap` command (∼500 lines of code).
- **HackRU/SlackRU** — Python, SQL
  *Slackbot used for Rutgers HackRU Hackathon.* — *2018*
  - Used by hundreds of students at Rutger's 2018 HackRU Hackathon.
  - Implemented using Slack's API and Python's Flask Web Framework (hosted on an AWS Elastic Beanstalk).
- **bbugyi200/WumpusWorld** — Python
  *Autonomous Agent which navigates through Wumpus World.* — *2016 - 2017*
  - I presented a poster on this project at the 2017 Garden State Undergraduate Mathematics Conference (GSUMC).

## Activities

- **bryanbugyi.com**
  *My Personal Technology/Programming Blog.* *2018 - Current*
- **HackRU Architect Team**
  *We Build Tools for HackRU (Rutgers Hackathon).* *2017 - 2018*
- **USACS Mentorship Program**
  *Mentor for CS Underclassmen.* *2017 - 2018*
- **Undergraduate Research in Mathematics**
  *Advised by Professor Jonathan Weisbrod.* *2017 - 2018*

## Industry Experience

- **Comcast** Mount Laurel, NJ
  *Tier III Technical Support* *2011 - 2016*
  - Monitored for large-scale network outages.
  - Tracked and reported network outages using ticketing system.
  - Wrote Python scripts to automate frequent department tasks (e.g. parsing spreadsheets, opening/closing tickets).

## Skills

- **Languages:**
  I have assigned each of the languages listed below a rank between 1-3 to indicate my level of proficiency with that language. A rank of 1 indicates that I have taken a college course that made use of the language and/or have read a book about the language. A rank of 2 indicates that I have also written over 5000 lines of code in the language. And a rank of 3 indicates that I have also written over 30000 lines of code in the language.

  *Programming Languages*

  - Python: 3
  - C/C++: 2
  - Shell: 2
  - Java: 1
  - Haskell: 1
  - Javascript: 1
  - MATLAB: 1

  *Markup / Domain-Specific Languages*
  (The rank requirements are relaxed a bit in this section.)

  - LaTeX: 3
  - SQL: 2

  - AWK: 2
  - VIMSCRIPT: 2
  - HTML/CSS: 1

- **Linux:**
  - I have used Linux exclusively on my desktop (which currently runs Gentoo) and laptop (which currently runs Debian Stable) for over 5 years.
  - I have a lot of experience writing Bash scripts and working from the command-line.
  - I have experience configuring and compiling the Linux kernel and aspire to one day make contributions to the kernel's source code.
  - My favorite courses in college were "Systems Programming" and "Operating Systems", both of which have well prepared me for programming in a Unix environment.

- **Networking:**
  While working for Comcast Cable, my group worked very closely with the Network Engineering department to detect and resolve network outages. During this time, I passed the exams required to obtain each of the following technical certifications:
  - Comptia A+
  - Comptia Network+
  - Cisco Certified Network Associate (CCNA)

- **Technologies:** Flask, NumPy, Pandas, AWS, Travis CI, Git, Vim