

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

- L<sup>A</sup>T<sub>E</sub>X: 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:

- Compia A+
- Compia Network+
- Cisco Certified Network Associate (CCNA)

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