

# Bryan Bugyi

Software Engineer

<https://github.com/bbugyi200>

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## Summary

Software Engineer at Edgestream Partners, L.P. in Princeton, NJ where I was hired to maintain and improve the company's large pre-existing codebase.

I am most effective when working with Python or C/C++ in a **Linux** environment.

## Education

- **Rutgers University** New Brunswick, NJ  
*B.S. Computer Science w/ minor in Mathematics* 2015 - 2019

## Industry Experience

- **Edgestream Partners, L.P.** Princeton, NJ  
*Software Engineer* May 2019 - Current
  - Integrated pylint into a codebase with well over a million lines of existing code that has been accumulated by Edgestream over the last 20 years. As the lead on this project, I was responsible for building several non-trivial tools to aid in making this integration a success.
  - Lead developer of Edgestream's investor-facing web portal, which was built using Python's Django web framework.
  - Worked closely with the Accounting department, where my role was to automate many of the data-related (e.g. data entry/download/upload) tasks that previously had to be performed manually each day.
  - Made several large-scale improvements to the production department's in-house testing framework/runner, which greatly improved the team's testing practices.
- **Comcast** Mount Laurel, NJ  
*Tier III Technical Support* 2011 - 2016
  - Monitored for large-scale network outages.
  - Tracked and reported network outages using ticketing system.
  - Developed Python scripts to automate frequent department tasks (e.g. parsing spreadsheets, opening/closing tickets, information retrieval).

## Skills

- **Languages:**  
I have assigned each of the languages listed below a rank between 1-4 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 5,000 lines of code in the language. A rank of 3 indicates that I have also written

over 20,000 lines of code in the language. And a rank of 4 indicates that I have also written over 50,000 lines of code in the language.

### Programming Languages

- PYTHON: 4
- C/C++: 3
- SHELL: 3
- PERL: 2
- RUST: 2
- HASKELL: 1
- JAVA: 1
- JAVASCRIPT: 1

- **Frameworks:** Django, Flask, Pandas, Twisted
- **Technologies:** Docker, Git, PostgreSQL, Vim
- **Specializations:** Linux, Systems Programming, Networking (TCP/IP), Language Parsers

## Open Source (GitHub) Projects

- **psf/black** Python  
*The uncompromising Python code formatter.* 2019 - 2020
  - Improved the way black handles strings (<https://github.com/psf/black/pull/1132>).
  - Non-trivial contribution consisting of ~3,500 lines of code additions/modifications.
  - Led to the closing of five unrelated GitHub issues (opened by five different developers at different times).
- **bbugyi200/cookie** Shell  
*A Template-based File Generator.* 2018 - 2019
  - Well received by the developer community (over 200 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 400 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).