

Bryan Bugyi

Software Engineer

<https://github.com/bbugyi200>

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Summary

I am a Software Engineer with a very "systems"-oriented skill set. In particular, I have the following areas of expertise / specialization: **Python** programming, **Linux**, and **Networking** (TCP/IP)

Education

- **Rutgers University** New Brunswick, NJ
B.S. Computer Science and Mathematics 2015 - 2019

Industry Experience

- **Edgestream Partners, L.P.** Princeton, NJ
Software Engineer May 2019 - Current

As a Software Engineer on the Production team at Edgestream, my work centered around the improvement / maintenance of Edgestream's production trading system. This system is Linux-based (Red Hat) and is written primarily in Python. A few notable achievements associated with my work at Edgestream are listed below:

- Integrated pylint into a codebase with well over a million lines of existing code. As the lead on this project, I was responsible for building several non-trivial tools to aid in making this integration a success.
- Made several large-scale improvements to the production department's in-house testing framework/runner.
- Lead developer of Edgestream's investor-facing web portal, which was built using Python's Django web framework.

- **Comcast** Mount Laurel, NJ
Tier III Technical Support 2011 - 2016

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:** AWS, Docker, Git, PostgreSQL, RedHat, 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 - 2019
 - 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).