Bryan Bugyi

Software Engineer
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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. 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*
  - 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:** AWS, 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 - 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).