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 (Python and C/C++).

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).

Open Source (GitHub) Projects

- **psf/black** — Python
  The uncompromising Python code formatter. — *November 2019 - March 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 - Current*
    - 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 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).

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 5,000 lines of code in the language. And a rank of 3 indicates that I have also written over 50,000 lines of code in the language.

  Programming Languages

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

- **Technologies:** Django, Flask, Git, Linux, Twisted, Vim