Bryan Bugyi

Software Engineer

https://github.com/bbugyi200

February 18, 2019

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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 Rutger'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**   Mount Laurel, NJ
  Tier III Technical Support   *2011 - 2016*
    - Monitored for large-scale network outages.
    - Tracked and reported network outages using ticketing system.
    - Wrote 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 1-3 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.)

    - LATEX: 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:

  - – Comptia A+
  - – Comptia Network+
  - – Cisco Certified Network Associate (CCNA)

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