

Harry Prevor

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Website: <http://habs.sdf.org/>

Passionate computer science major interested in DevOps, GNU/Linux, system administration, and security

Experience

- Jun 2017 - **Editorial Intern**, *FloSports*, Austin, TX.
- Dec 2017
- Created scripts assigning copyright to company-owned media
 - Used Python and BeautifulSoup to scrape swimming and weightlifting results and auto-publish formatted result articles
 - Created live JavaScript + WebSockets results platform for USATF championships
 - Authored over 100 articles for FloTrack
 - Worked closely with engineering to optimized SEO tags and embeddia media in articles
 - Choreographed and reported in track and field podcasts and videos
- Jul 2016 **Representative**, *Free Software Foundation*, New York City.
Represented the FSF in New York at the HOPE conference, working directly with Richard Stallman to promote software freedom and inform conference members
- Feb 2014 - **Site Administrator and Operating System Maintainer**, *gNewSense GNU/Linux Operating System and GNU Project*.
Present
Designed various aspects of the operating system's website home page and edited the wiki. Submitted and handled bugs reported online for the gNewSense operating system and website
- Dec 2015 - **President, Vice President and Secretary**, *Penn Running Club*, Philadelphia.
- Dec 2017
Was elected as a freshman to the Executive Board, wrote weekly running newsletters to an audience of thousands, recruited sponsors for and was the race director for the nation's largest fall club sprint meet, handling communication and logistics for the club
- Sep 2016 - **Communications Chair**, *USA Track and Field Mid-Atlantic Association*, Mid-Atlantic Region.
- Dec 2017
Tasked to write newsletters and handle communications to and from over 5,000 members in USA Track and Field's largest association
- Apr 2016 - **Event Coordinator**, *Penn For Privacy*, Philadelphia.
Present
Organized logistics for a presentation by Free Software Foundation's President, Richard Stallman
- Jan 2016 - **Vice President and Secretary**, *Penn Sport Club Council*, Philadelphia.
- Dec 2017
Elected to handle logistics and communications between all sport clubs and administration at the University of Pennsylvania. Drafted the 2016-17 Penn Sport Club Handbook.
- Jan 2013 - **Online Moderator**, *reddit*.
Present
Managed and created various large online communities (*/r/upenn*, */r/hexc*, */r/hstrack*, */r/gnugeneration*) on reddit.com with a combined readership of tens of thousands and over 4,000 active subscribers. Monitored all content, organized various community activities and contests
- Dec 2015 - **Winter Conference Host Committee Member**, *National Intercollegiate Running Club Association*, Philadelphia.
Present
One of two students from Penn appointed to the nine-member national committee that reserves space and plans meals and activities for the annual NIRCA Winter Conference. Was selected as a Keynote Speaker at the 2017 conference
- Aug 2016 - **Assistant Director**, *Sayre High School Running Club*, Philadelphia.
- Dec 2016
Worked weekly at Sayre High School to found their first ever athletic club, teaching underprivileged students the value of consistency and dedication
- Aug 2016 **Athletic Supervisor**, *The Running School*, Swan Lake, NY.
Worked with high school and middle school runners at an instructional camp to teach them how to improve in the sport and provided technical assistance

Skills

Proficient With GNU/Linux, C, Common Lisp, Python, Java, Assembly (x86, MIPS), HTML/CSS, OCaml, L^AT_EX, Shell Scripting, Emacs, etc.

Education

- Aug 2015 - **Student**, *University of Pennsylvania*.
Present
Junior studying Computer Science and Engineering in the School of Engineering and Applied Sciences
- June 2015 **High School Diploma**, *Syosset High School*, Syosset, NY.
Honor Roll student, National Honor Society member, AP Scholar with distinction, National Merit commended student

Projects

- Aug 2016 **Programmer**, *TrackBot*, <http://habs.sdf.org/trackbot/>.
Created "TrackBot" from scratch, a web crawler that has already scanned over 500,000 LetsRun.com forum posts and uses logic and database queries to provide an automated response to requests such as obtaining the best marks of an athlete, comparing two athletes via head-to-head record, and more
- Dec 2016 **Author**, *McCarthy Math*, <http://habs.sdf.org/mccarthy-math/>.
Explored the implications of list-based arithmetic and derived base-10 representation and several operations from only primitive LISP functions with no numerical datatype. Coined the term "McCarthy Math"

Relevant Completed Coursework

Operating Systems, Computer Architecture, Data Structures and Algorithms, Mathematical Foundations of Computer Science, Programming Languages and Techniques