

Benjamin E. Nacar

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Experience

2015-2022: Brown University, Computer Science Department

Senior Systems Programmer (2016-2022), Systems Programmer (2015-2016)

- Software development
 - Co-maintain Django-based website (write web apps to support academic/administrative functions)
 - Write utilities to facilitate/automate sysadmin tasks
 - Write utilities to facilitate remote course/research work
- System administration
 - Co-manage 100 servers (physical and virtual) and 500-600 desktops (running Debian Linux). Services include: website, Sympa, Request Tracker, OpenVPN, SSH gateway, SGE compute grid, DNS, DHCP, firewall, PostgreSQL cluster, IBM GPFS (retired), LDAP (mostly retired)
 - Integrate department systems with the University's central identity management and storage services (primary contribution: user authentication with Shibboleth, Duo 2-factor auth)
 - Configure, deploy, and support new services: FastX (to supplement SSH), Slurm (to replace SGE)
- User support
 - Weekly shift 2015-2021 as primary point of contact for 4,500 users (resolved over 3,400 user-submitted tickets, via email or zoom, or in person)

Skills

- Programming languages: Scheme/Racket, Bash, Perl, Python, C, Go, Javascript
- Web development: HTML/CSS, Django
- Miscellaneous: Apache, Nginx, Debian packaging, Git

Education

2008-2012: Brown University

- Sc.B. Computer Science (second concentration in Classics)
- Upper-level CS coursework focused on Systems, Computational Linguistics
- TA for CSCI 0310, *Introduction to Computer Systems* (Fall 2010), and Head TA for CSCI 1460, *Computational Linguistics* (Spring 2012)

Other Activities

- Music: pianist, composer, and arranger with an active performing schedule
 - Musical work at: bennacar.com, youtube.com/insearchofthemuses
 - Secretary of the board of Rhode Island Chamber Music Concerts, webmaster for the Chopin Club of Rhode Island
- Toastmasters: member of Ocean State Toastmasters 2015-present
 - Achieved rank of: Competent Communicator (2018), Competent Leader (2019)