Benjamin E. Nacar

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Skills

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

Experience

2015-2022: Brown University, Computer Science Department
Senior Systems Programmer (2016-2022), Systems Programmer (2015-2016)

- Software development
  - Django-based website: implemented CMS plugin for displaying centrally-managed course info, implemented department system status page, prototyped leaderboard page for donations to the UTA endowment
  - Implemented a custom PAM module (in C) for 2FA for remote logins
  - Developed CLI utilities for fully automated account provisioning and group management via University data sources (LDAP queries, Grouper web API)
- System administration
  - Co-managed 100 servers (physical and virtual) and 500-600 desktops (running Debian Linux). Services included: website, Sympa, Request Tracker, OpenVPN, SSH gateway, SGE compute grid, Nagios, DNS, DHCP, firewall, PostgreSQL cluster, IBM GPFS (retired), LDAP (mostly retired)
  - Integrated department systems with the University's central identity management and storage services (primary contribution: user authentication with Shibboleth, Duo 2-factor auth)
  - Deployed and supported 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)

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)