

James M. Forcier

Contact Information

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GitHub: [csssuf](https://github.com/csssuf)

csssuf.net

Education

Rochester Institute of Technology

B.S., Computer Science, December 2019 (expected)

- GPA: 3.25
- Relevant Coursework
 - Operating Systems
 - Systems Programming

Skills

Languages: C, Rust, Python, Java, x86 Assembly, HTML5, Javascript, Bash, L^AT_EX

Platforms: Linux (Gentoo, Debian, Centos, Fedora, RHEL, Container Linux), UEFI

Technologies: X drivers, Linux Kernel, systemd, Flask, SQL, Libvirt, WebRTC, WebSockets, OpenAFS, FUSE

Projects

Bobby Jr. - <https://github.com/csssuf/bobbyjunior>

- Kernel and esoteric language interpreter for the IBM PCJr
- Written in pure x86 real-mode assembly

rust-uefi - <https://github.com/csssuf/rust-uefi>

- Pure Rust interface to UEFI library functions
- Used in UEFI bootloader for Container Linux

sunray-rs - <https://github.com/csssuf/sunray-rs>

- Rust reimplementation of Sun Ray thin-client server

JSONFS - <https://github.com/csssuf/jsonfs>

- FUSE filesystem backed by a single JSON file

Experience

Container Linux Intern, CoreOS, San Francisco, CA May 2017-August 2017

- Created UEFI bootloader using Rust (<https://github.com/coreos/picker>)
- Helped maintain Container Linux distribution

Linux Graphics Intern, NVIDIA, Santa Clara, CA May 2016-August 2016

- Contributed to Linux X driver and kernel modesetting driver for NVIDIA devices
- Improved internal testing frameworks

Cybersecurity Intern, MITRE Corporation, McLean, VA June 2014-March 2016

- Wrote HTML5 client for the SVMP project (<http://svmp.github.io/>).
- Worked in DHS Advanced Network Integration and Experimentation Laboratory to establish testing infrastructure and evaluate emerging mobile technologies

Student System Administrator, TJHSST, Alexandria, VA 2012-2014

- Led Kerberos, AFS, and libvirt/KVM management for student-run enterprise network for high school of 1900 students and 172 faculty and staff.

Interests and Organizations

- RIT Computer Science House - <http://csh.rit.edu/>
 - Research and Development Director, 2016-2017
- Construction projects with Highland Education Project in Welch, WV
- Various sports - golf, baseball, basketball, skiing