

DANIEL SHCHUR

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Education

University of Nebraska—Lincoln

Bachelor of Science in Computer Engineering | GPA: 3.27

Graduation: May 2021 (anticipated)

- **Coursework:** Advanced Embedded Systems (Current | CSCE436) Operating Systems Kernels (CSCE351), Software Engineering Principles (CSCE361), Data Structures & Algorithms (CSCE310), Embedded Systems (CSCE236)
- Primary Programmer of UNL Game Development Club (2018 – 2019)
- President of Operating Systems and Open Source Group (2019 – present)

Technical Summary

- **Languages:** C, C++, VHDL, Java, HTML/CSS, LaTeX, JavaScript, MATLAB, Docker, git (tool), and Unity/C#.
- **Operating Systems:** Highly skilled in UNIX/Linux and Windows, familiar with MacOS and mobile devices.
- Proficient in configuration and management of network devices and OS installation/configuration.

Experience

University of Nebraska-Lincoln: CSE Dept

Undergraduate Teaching Assistant | Fall 2018, Fall 2019, Spring 2020

- Manage lab sections, grade assignments, and debug code for Computer Science I and Embedded Systems.
- Hold regular office hours and answer student's questions on demand.

PSH Transport LLC | Sioux Falls, SD

IT/Accountant | Summers of 2014 – 2019

- Built web automation bridge to parse and input data into other web interfaces to expedite data entry.
- Managed 10+ semi-trucks by keeping track of money, load information, and dispatching drivers to their destinations, enhancing company efficiency.
- Contacted partner companies to obtain and relay load and insurance documentation.
- Configured and maintained computer systems and networking.

Sioux Falls First - Church | Sioux Falls, SD

Member and Volunteer | 2008 – 2018

- Installed and configured commercial audio and lighting equipment creating documentation where needed.
- Volunteer youth head of tech and source for tech consultation at the church in general.
- Volunteering at and through the church, serving the city community when there was a need.

Personal Projects (<https://github.com/docquantum>)

- Running and administrating a personal home-server running RancherOS (A Docker-only Linux OS)
- Dockerizing services that have not been dockerized yet to be used in server settings.
- Working on restructuring the web automation bridge for PSH Transport so that it uses direct function calls from both web interfaces to allow for more reliability and speed. (Planned)
- Using Arduinos and Espressive systems to automate a portable greenhouse. (electric-green-thumb)
- Learning Rust programming language and applying it to various small projects. (In Progress)

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References

Paul Shchur

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Chris Bourke, Ph.D.

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