

Sean Shahkarami

Email. sean.shahkarami@gmail.com

Website. seanshahkarami.github.io

Skills

Development. Python, Go, Shell, SQL, Docker, Linux, C/C++

Machine Learning. PyTorch, Scikit-learn, Pandas, Numpy, Scipy

Experience

Software Developer for Waggle, Sage and Array of Things

Argonne National Lab, January 2016 - Present

- Provided sensor data directly to end users by leading development on our data pipeline. Built to be highly efficient and serves over 300GBs nightly.
- Enabled users to build edge applications by leading development of our platform SDKs and containerized development environment.
- Kept our remote systems alive by leading firmware development for our embedded power and system management board.
- Ensured our devices left the factory working by leading development of interactive QA process used by assembly line technicians.
- Dramatically improved team's efficiency by independently creating Docker based build system for our Linux distro. Improved reproducibility and cut build times from hours to minutes.

Education

Ph.D in Mathematics (Incomplete)

University of Illinois at Urbana-Champaign, 2011-2016

M.S. in Mathematics

University of Illinois at Urbana-Champaign, 2011-2013

B.A. in Mathematics and Minor in Computer Science

University of Illinois at Urbana-Champaign, 2007-2011