Asher Mancinelli
Data Science / Software Engineering

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Employment Experience

Data Team Intern | 8/18-Present
Pacific Northwest National Lab, Spokane, WA

- Reproduced *Rosetta* Facebook research for fully CNN OCR network
- *PyTorch* and *ElasticSearch* contributor (see GitHub)
- Pilot user for new HPC systems (IBM Power9, NVIDIA DGX-2)
- Member of Machine Learning Reading Group

Research Computing Intern | 5/18-8/18
Pacific Northwest National Lab, Richland, WA

- Created recognition/classification pipeline and streamlined training process to help other SWE's integrate deep learning tech
- Created time-series Gaussian Process models to predict strain on power grid
- Created analysis web-app for cleaning/interpreting large computational chemistry and biology datasets

Data Science/Analyst Intern | 5/17-8/17
Micron Technologies, Manassas, VA

- Created time-series model to predict/prevent server downtimes
- Created and implemented new algorithm to detect and flag patterns in wafer defects

Education

Whitworth University | 9/16-Present
BS Mathematics, BS Computer Science

- Awarded John Carlson Scholarship twice for exceptional performance in the Math dept.
- Awarded Exceptional Freshman in Math dept.
- 3.9GPA

Organizations

- Leader of homeless outreach club in downtown Spokane
- Member/contributor of open-source community on GitHub
- Gave presentation on neural networks/TensorFLow at local developer meetup (fullstacktc.org/user/amancinelli)
- Attending PyCon 2019
- Member of Varsity Baseball team at Whitworth for two years
- Leader of two on-campus outreach groups
- AP Scholar with Distinction

Very skilled:

- PyTorch
- TensorFlow
- Python, CPython extensions
- C++
- Shell Scripting
- Jupyter Notebooks
- GIT

Skilled:

- Statistical modelling
- SciKit-Learn
- SQL
- Parallel/Concurrent programming patterns

Working Knowledge:

- Golang
- CUDA
- Javascript