

## Mainframe Internship Program – Summer, 2017



### Overview

The zOS mainframe platform processes some of the State of Wisconsin's most critical systems. Some of these vital applications include Kids Information Data system [ KIDS] which administers child support, Client Assistance for Reemployment and Economic Support [CARES] which administers welfare to work programs, Department of Transportation's Registration and Titling for the state's drivers licensing and automobile registration. The platform is capable of processing 616 billion database transactions while experiencing no unplanned outages over a period of a year. It is one of the state's most resilient and stable platforms

The State of Wisconsin has the large enterprise IBM mainframe hardware, EC12. The platform is connected to high performance EMC disk and uses the latest IBM virtualized tape environment all connected in a grid configuration across metro fiber and wide area links. The platform easily processes big data at single digit millisecond response times.

### Internship Responsibilities

The internship will have opportunities to get an overview of this operating environment plus have an opportunity for training on internal operating components and installation of products. The following is a brief outline of the internship:

- This is a paid State of Wisconsin Limited Term Employee level position (\$18/hr)
- This position is full time (40 hrs/week)
- Work with a senior staff mentor
- Overview of the hardware components
- Overview of the software components
- Gain knowledge of how to run jobs and tasks plus use mainframe utilities
- Online training of the different system components
- Opportunity to learn how the system is monitored
- Learn how the systems are shut down and re-initialized
- Opportunity to assist with product installs
- Potential to assist with a disaster recovery exercise

### Internship Base-Level Knowledge

The State of Wisconsin is looking for students who have a computer science background. They should know the basic concepts of computing, storage, and network. They must have an aptitude for technology and attention to details. They should have completed at least 72 credit hours of course work by the beginning of the internship. The State is looking for interns who are excited to learn new technologies and willing to learn from some of the top mainframe technicians.

### Application Process

Applications can be submitted by sending an e-mail along with an attached cover letter and resume to [Robert.taylor@wisconsin.gov](mailto:Robert.taylor@wisconsin.gov). All applications must be received by January 31, 2017.

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