

Austin Mease

WORK EXPERIENCE

Gernsbacher Lab

Django Fullstack Intern
Current

- Independent developer on a project with 0 documentation
- Walked coworkers through what had to be done, even though I wasn't entirely knowledgeable either
- Created efficient programming practices and documentation
- Improved Site Reliability
- Set up SSL
- Technologies used: Django, OAuth, Nginx/uWSGI/gunicorn, JSP/glassfish

Cray, Inc

C++ Software Engineering Intern
May 2016 – September 2016

- Scaled Valgrind for distributed systems
- Optimized aggregation using MRnet communication tree
- Made it work for different heterogeneous platforms, workload managers, and in-development platforms like Mesos
- Improved usability in response to user feedback
- Technologies used: Inter-process communication, Distributed Systems, OpenMP/MPI, BuildBot, MRnet communication tree aggregation

Philips Radiation Oncology

C++ Software Engineering Intern
May 2015 – May 2016

- Exposure to complex physics application development
- Assumed responsibility for section of program after both mentors went to other branches of the business
- Strong emphasis on useful design documentation and meeting government regulations and standards
- Improved performance of key features by parallelizing an existing code base
- Technologies used: Linux Cluster Server management/ installation, Dynamic Software Updating (DSU), Data Interpolation Methods (Splines), Parallel programming, DICOM networking, QT UI-design, Geometric C

Thomson Reuters

Java Software Engineering Intern
August 2014 – May 2015

- Worked closely with subject matter experts to business requirements into technical requirements
- Worked on the meta-data acquisition and transformation for Westlaw
- Agile development in a multi-team TFS environment
- Technologies used: SQL database, Anthill Pro, Spring-Batch, Junit

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EDUCATION

2013 – 2017 **University of Wisconsin - Madison**
Electrical Engineering
Computer Science - GPA: 3.4

ACTIVITIES

Polygon, Engineering Student Council - Diversity Chair

Organized speakers
Organized bookswap & E-bash

SOFTWARE SKILLS

ANDROID/JAVA	<ul style="list-style-type: none">• Async operation• Spring-Batch• Anthill• Junit• Firebase• TCP/IP• NFC
C/C++	<ul style="list-style-type: none">• Inter-process Communication• Package Management Systems• OpenMP/MPI & Scalability• Distributed Computing• Async operation• TCP/IP• MRnet• Boost• QT
PYTHON	<ul style="list-style-type: none">• NumPy• BuildBot• Django
JAVASCRIPT	<ul style="list-style-type: none">• Angular• Express• Node• React-Native• Ionic
MISCELLANEOUS	<ul style="list-style-type: none">• Matlab• SQL/MySQL• NoSQL/MongoDB• Swift

PROJECTS

<https://github.com/measeaustin>