

Mark Milutinovic

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EDUCATION

The Pennsylvania State University, University Park

BS in Information Sciences and Technology:

BS in Applied German Language:

Cumulative GPA: 3.6

Anticipated Graduation: May 2017

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WORK EXPERIENCE

Penn State, ELearning Institute: ELMS:LN Web Developer & Manager

September 2014 – Present

University Park Pennsylvania

- Build Drupal modules to improve Penn States World Campus courses for the ELMS:LN open source project.
- Contribute patches to the Drupal open source project at drupal.org and the ELMS:LN project on GitHub.
- Give presentations at conferences about the ELMS:LN project and current projects and modules I develop.
- Manage two student developers by assigning tasks and checking progress on projects.

Minitab Inc.: Software Engineer

January 2015 – March 2015

State College, Pennsylvania

- Converted legacy graphics to current Minitab Express standards using the JSON Spirit C++ library.
- Wrote and edited Python scripts to generate XML and Serialized Data Files for image based testing.
- Researched efficient methods of data conversion.
- Created an automated application in Objective-C to allow developers to test the Macintosh builds of Minitab Express in one button click.

Penn State, College of IST OIDI Office: Front and Backend Web Developer

June 2013 – September 2014

University Park, Pennsylvania

- Created interactive course sites using HTML, JavaScript, CSS, PHP, and the Drupal CMS.
- Recommended efficient technologies and development techniques for the College of IST at Penn State.
- Managed multimedia projects such as video production, video editing, photo editing.

SKILLS

Languages: Java, PHP, Swift, Objective-C, C++, C#, Bash, HTML, Python, JSON, JavaScript, SQL, YAML

Applications: Sublime Text 2, SourceTree, Slack, Visual Studio, Netbeans, Minitab, GitHub, Linux Shell,

Other Tools: Drupal, Drush, Git, MySQL, Microsoft SQL, Vagrant, Alfred, Travis-ci, Agile Development

PRESENTATIONS

Maximize Site Efficiency: Utilizing AngularJS & CDNs for Drupal – Drupal Camp PA Saturday July 30, 2016

Spoke on the increasing popularity of AngularJS and CDNs around the web and how to best implement these technologies within the Drupal CMS. Highlighted custom modules that can help developers implement solutions for these technologies including a custom CDN module that I created for the ELMS:LN project.

Holistic Approach to Course Development with ELMS:LN– Penn State LDSC Camp Thursday July 28, 2016

Presented about the ELMS:LN Learning Management System and how it helps break the traditional online course development approach by allowing students, instructional designers, professors, and programmers to all work together to provide high quality courses at Penn State University.

ACTIVITIES

Natural Language Processing and Machine Learning – Penn State University

January 2016 - Present

Began working with a linguistics department within my University that looks at naturally produced corpora of Heritage German Language to learn more about how language is learned and how it evolves in remote populations.

Study Abroad – Freiburg, Germany

March 2015 – August 2015

Participated in a study abroad in Germany to take undergraduate courses in a different language and culture. Achieved bilingual German fluency.

Teaching English – Kaohsiung, Taiwan

May 2014- June 2014

Taught conversational English at the National Kaohsiung University of Applied Sciences during the summer of 2014.

This was done through presentations, games, and activities. Learned basic Mandarin Chinese.