Tammy (Wan-Ching) Yang

PERSONAL
INFORMATION

Birthday :	30/12/1982
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JOB
EXPERIENCE

Sep 2014-present: Engineering Tech Lead in Canonical Ltd.

Engineering Tech Lead of HP OEM projects

- Develop Web API with Django framework.
- Create tools to provide customized deliveries using Linux Container and OpenStack.
- Improve internal process with Google Apps Scripts.
- Coordinate engineering schedules, make technical decisions and provide the customer technical supports.

Mar 2012-Aug 2014: Software Engineer in Canonical Ltd.

Software Engineer of HP OEM projects

- Develop IRC bot.
- Create tools in Python and Shell to improve project process.
- Debug and customize a wide range of software components in Ubuntu.
- Work with individual upstream projects to find and apply patches for bugs affecting OEM/ODM customers.
- Support ODM factory issues.

Jun 2011-Feb 2012: Linux Engineer in Linpus Technologies

Linpus Lite 1.7 Installer

- Enable USB installation for Anaconda (based on v16.20).
- Implement dual boot for Windows 7 and Linpus Lite.
- Improve performance and trim size of runtime ISO.
- Design and implement live CD installation for Linpus Lite 1.7.

Meego-based Projects

- Modify home UI and create panels on Meego-tablet for Intel EMPG.
- Implement plasma-mobile to Meego, boot with GDM and create customized Python shells.

Android on X86

- Port LAN modules from X86 Honeycomb to ICS.
- Enable wifi on netbooks.

Oct 2010-May 2011: Postdoc Fellow in the physics department of National Taiwan University

E14 Koto experiment (Japan)

- Improve data analysis framework.
- Organize purchase of 300 CW Bases at J-Parc.
- E14 status report in PSROC 2011 conference.
- Join Calorimeter clustering reconstruction.

SKILLS

Operating Systems:
Android, Windows and strong working knowledge of Linux.

Programming Skills:
Advanced user of Python, Javascript, LaTeX, Linux shell scripting and the data analysis software, ROOT. Extensive experience with Java, C, C++.

Other Tools:
Django, GAS, Mongodb, Bzr, Git, APT, dpkg, debhelper

LANGUAGES

Fluent in English and Mandarin Chinese.

SELF-LEARNING

2015

Coursera
- Machine Learning Techniques (National Taiwan University).

2013

Coursera
- Probability (National Taiwan University).
- Machine Learning Foundation (National Taiwan University).

2012

NTU OpenCourseWare
- Statistics (National Taiwan University).

EDUCATION

2006-2010

PhD in Particle Physics at the University of Manchester (UK)
- Conducted research with the DØ Collaboration at Fermilab (USA).
- Search for MSSM Higgs Bosons in hadronic τ final states.
- Statistical analysis for 1.08 fb^{-1} data collected by DØ detector.
- Implemented DØ software and acquired skills in Python and C++.
- Make statistical distributions using ROOT software.
- Develop methods for signal optimization and assessed and debugged complex algorithms.
- Reporting results in international conferences.
- Measure single pion response in Run IIa (2002-2006) data and use statistical model to fine-tune DØ Monte Carlo .

2007-2009

Permanently based at Fermilab, Chicago, USA
- Financial Support by DØ/Fermilab studentship.

2001-2006

National Taiwan University (NTU)
Department of Physics, Minor in Mechanical Engineering
Grade: 79.8%, Major: 82.6%
- Undergraduate project on "Horizontal Air Showers" in the High Energy Physics Group (2005-2006).

1998-2001

Taipei First Girls Senior High School, Taipei, Taiwan
- Admitted to study in Class for Talented Students in Science.

AWARDS   **2010 John G Rutherglen Prize**

CONFERENCES
& SEMINARS   **25-27 January 2011**

2011 Annual Meeting of the Physical Society of Republic of China, Taipei, Taiwan

E14 KOTO Status

13-17 August 2010

The 11th International Workshop on Tau Lepton Physics, Manchester, UK

Search for Standard Model and Beyond Standard Model Higgs bosons in di-tau final state at DØ

29-31 July 2010

Higgs Hunting - Tevatron and first LHC Results, Orsay, France, Talk at Young Scientist Forum

Beyond the Standard Model Higgs Searches at DØ

31 May 2010

National Taiwan University, Taipei, Seminar

Search for MSSM Neutral Higgs in Tau Final States at DØ

3 December 2009

Bohr Lunch Seminar, University of Manchester

Search for MSSM Neutral Higgs in Tau Final States at DØ

14-25 July 2008

34th International Conference on High Energy Physics at Philadelphia, USA (ICHEP 2008), Poster

Search for MSSM Higgs Boson Decaying to Tau Pairs at DØ

11-15 April 2008

American Physical Society Meeting at St. Louis, USA, Parallel Session Talk

Search for MSSM Higgs Boson Decaying to Tau Pairs at DØ

2-14 September 2007

RAL Summer School at Oxford, UK, Poster

Search for MSSM Higgs Boson Decaying to Tau Pairs at DØ