

Liang-Bo Wang

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| EDUCATION | National Taiwan University , Taipei, Taiwan | |
| | Master of Science (M.S.) in Biomedical Electronics and Bioinformatics • Expected to graduate in Jun 2016 | Jan 2014 – Present |
| | Bachelor of Science (B.S.) in Electrical Engineering • Minor in Economics | Sep 2009 – Jan 2014 |
| RESEARCH EXPERIENCE | Microsoft Research Asia , Beijing, China | |
| | Internship • Topic: Cancer Image and Pathway Analysis • Applied convolutional neural network to histopathology image analysis | Jul 2014 – Feb 2015 |
| | Biomedical Engineering and Bioinformatics , National Taiwan University | |
| | Undergraduate Research • Topic: DNA-seq, RNA-seq and small RNA-seq data processing • Project: Nextbiopsy, a web-based NGS pipeline report generator | Sep 2012 – Jan 2014 |
| | Undergraduate Research • Project: CMOS-based tactile sensor system for blood pressure measurement | Sep 2011 – Nov 2012 |
| PUBLICATIONS | JOURNALS | |
| | [1] Y.-P. Lai*, L.-B. Wang* , L.-C. Lai, M.-H. Tsai, T.-P. Lu, and E. Y. Chuang, “iGC—an integrated analysis package of Gene expression and Copy number alteration”, (<i>Under review</i>), 2015. | |
| | [2] Y. Xu, F. Zhang, Z. Jia, L.-B. Wang , Y. Ai, M. Lai, E. Chang, “Large Scale Tissue Histopathology Image Classification, Segmentation and Visualization via Deep Convolutional Activation Features” (<i>Under review</i>), 2015. | |
| | [3] L.-B. Wang , E. Y. Chuang, T.-P. Lu, “Identification of predictive biomarkers for ZD-6474 in lung cancer”, <i>Translational Cancer Research</i> , vol. 4, no. 4, Aug 2015. | |
| | [4] C.-Y. Lee*, Y.-C. Chiu*, L.-B. Wang* , Y.-L. Kuo*, E. Y. Chuang, L.-C. Lai, M.-H. Tsai, “Common applications of next-generation sequencing technologies in genomic research”, <i>Translational Cancer Research</i> , Feb 2013. | |
| | CONFERENCES | |
| | [1] L.-B. Wang , S.-Y. Dai, T.-P. Lu, L.-C. Lai, M.-H. Tsai, E. Y. Chuang, “Nextbiopsy: Utilities for next-generation sequencing data processing”, <i>9th Asian Pacific Conference on Medical and Biological Engineering (APCMBE)</i> , Oct 2014. | |
| | [2] C.-Y. Lee*, L.-B. Wang* , M.-H. Tsai, L.-C. Lai, E. Y. Chuang, “Identification of novel miRNAs in breast data of the next generation sequencing using miRDeep2 and Galaxy”, <i>AACR 2013</i> , Apr 2013. | |
| | [3] Y.-C. Lin, C.-J. Hsieh, L.-B. Wang (presenter), J.-C. Liou, W.-C. Tian, “CMOS MEMS metal-based tactile sensors development”, <i>AVS 59th International Symposium & Exhibition</i> , Oct 2012. | |
| | [4] C.-T. Sun, Y.-C. Lin, C.-J. Hsieh, J.-C. Liou, L.-B. Wang , W.-C. Tian, “A linear-response CMOS-MEMS capacitive tactile sensor”, <i>IEEE Sensors 2012</i> , Oct 2012. | |
| HONORS & AWARDS | Outstanding Research Award , Summer Research NTU Center of Genomic Medicine | 2012 |
| | iGEM , Gold medal and advanced to World Jamboree • Topic: A demonstration of PepdEx with a mind-altering bacteria • Role: Biological circuit (gene network) simulation and iGEM wiki page construction | 2012 |
| OTHER EXPERIENCE | Pinkoi , Taipei, Taiwan Internship • Topic: Product search improvement • Improved Chinese text segmentation on ElasticSearch and added preliminary semantic search built on Word2Vec | Jun 2015 – Sep 2015 |

PyCon Taiwan Organizer, Taiwan
Program Chair

Present – 2016

PyCon APAC Organizer, Taiwan
Public Relation

2014, 2015

Regular Speaker at **Open Source Communities**

2013 – Present

- Including Taiwan PyCon, Taipei.py, Taiwan R User Group, and PyCon China
- Full talk list at <http://blog.liang2.tw/talks/>

**PROGRAMMING
SKILLS**

Python (both scientific and web stack), R, \LaTeX , C, SQL

CAMPUS

Photo Club, National Taiwan University

2009 – 2013

ACTIVITIES

President

Mar 2011 – Sep 2011

Leader and Staff of the Education Division

Mar 2010 – Mar 2011

Summer Camp for High School, NTUEE

2011, 2012

Staff and Leader of the Photography Division

- Daily news and newspaper production along all camp days

[Last updated: 2015-10-21]