Yunhong Wu

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EDUCATION

Harvard T.H. Chan School of Public Health **Boston, MA**
Master of Science in Biostatistics, GPA: 3.93/4.00 *Sept. 2018 – May 2020*

University of Wisconsin-Madison **Madison, WI**
Bachelor of Science in Statistics, Minor in Computer Science, GPA: 3.92/4.00 *Sept. 2014 – Dec. 2017*

EXPERIENCE

Boston Children's Hospital **Boston, MA**
Biostatistician I; Supervisor: Dr. David Wypij *June 2020 – Present*
Research Assistant *Feb. 2020 – May 2020*

- Apply advanced statistical and data science methodologies to the design and analysis of biomedical research and clinical data.
- Develop statistical analysis plans, statistical reports, Data and Safety Monitoring Board (DSMB) reports, and data summarization.

Maimonides Medical Center **Brooklyn, NY**
Researcher; Advisor: Dr. Yiqing Xu *July 2020 – Present*

- Conduct collaborative research with clinical investigators; implement appropriate statistical methods for addressing study objectives.
- Contribute to writing and preparation of academic publications such as providing input into the interpretation of statistical results.

Boston Consulting Group **Shanghai, China**
Part-Time Assistant *Dec. 2019 – Jan. 2020*

- Provided statistical support for real world evidence studies such as conducting power analyses to determine required sample sizes.

Vertex Pharmaceuticals **Boston, MA**
Statistical Programming Intern *May 2019 – Dec. 2019*

- Built a log message navigation tool with SAS Macro to boost up the efficiency of identifying and correcting issues in SAS log.
- Created SAS analysis datasets and generated tables, figures, and listings for regulatory submission following CDISC standards.

Eli Lilly (China) R&D Co., Ltd. **Shanghai, China**
Biostatistics Intern *Mar. 2018 – Aug. 2018*

- Performed data wrangling and analyzed healthcare data; produced tables/figures for study reports; wrote abstract and designed poster.
- Developed an interactive web application with R-Shiny to facilitate design of clinical studies by visualizing trends of survival curves.

University of Wisconsin School of Medicine and Public Health **Madison, WI**
Undergraduate Research Assistant; Advisor: Dr. Thomas Cook *Apr. 2017 – Feb. 2018*

- Created an imputation procedure for data missing not at random by post-processing datasets imputed assuming missing at random.
- Conducted sensitivity analysis to explore robustness of inferences under plausible departures from missing at random assumption.

Undergraduate Research Assistant; Advisor: Dr. Richard Chappell *Oct. 2017 – Dec. 2017*

- Analyzed clinical data from breast cancer patients using R and identified possible factors to predict tumor recurrence.
- Investigated the statistical methods (such as the Cox model) for modeling metastasis and control of breast cancers.

PUBLICATIONS

- Lin DD, **Wu Y,** Toom S, Sheth N, Becker K, Burdette-Radoux S, D'Silva J, Huang Y, Lipshitz J, Meghal T, Mo L, Murthy P, Rubin P, Natarajan V, Donahue B and Xu Y (2021). Clinical Determinants Differentiating the Severity of SARS-CoV-2 Infection in Cancer Patients: Hospital Care or Home Recovery. *Front. Med.* 8:604221. doi: 10.3389/fmed.2021.604221.
- Alizadeh F, Morell E, Hummel K, **Wu Y**, Wypij D, Singleton PJ, Matthew D, Esteso P, Moynihan K, Blume ED (2021). The "Surprise Question" as a Prognosticating Tool for Children with Advanced Heart Disease. *Submitted.*

POSTERS/ABSTRACTS

- Wu A, **Wu Y**, Singh P, Natarajan V, Cheema W, Hossain R, Liu C, Mejia Y, Oo M, Valenzano B, Xu Y (2021). Complementary and alternative medicine (CAM) use in cancer patients of immigration background. *Journal of Clinical Oncology,* 39 (suppl 15): 12019.
- Tremblay E, Millington K, **Wu Y**, Wypij D, Agus M, Wolfsdorf J (2021). Utilization of Serum β-hydroxybutyrate to Define Resolution of DKA. *Proceedings of International Society for Pediatric and Adolescent Diabetes Annual Conference,* Virtual.
- Zhou Z, Wang K, **Wu Y**, Jiang S (2018). Patient characteristics, glycemic levels, and association with blood glucose testing behaviors – a retrospective analysis from Lilly Connected Care Program. *Diabetes Metab Res Rev,* 34 (S1): e3079.

SKILLS

- Computer skills: R, SAS, SQL, Python, Java, MATLAB, Maple, LaTeX, East, Microsoft Office, macOS, Unix/Linux, Windows
- Language skills: Mandarin Chinese (native), English (proficient), Cantonese Chinese (conversational)