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EDUCATION

Harvard T.H. Chan School of Public Health   Boston, MA

Master of Public Health in Quantitative Methods   2019

Relevant Coursework (and programs used): Biostatistics I & II (Stata), Epidemiology I, II & III: Models for causal inference (SAS), Applied regression (SAS), Applied survival analysis (SAS, Stata), Applied longitudinal analysis (SAS), Decision analysis, Pharmacoepidemiology, Principles of clinical trials, Intro. to occupational and environmental medicine, Control of infectious diseases in low/mid-income countries; audited: Issues in frailty, Database analytics in pharmacoepidemiology

Yonsei University School of Medicine   Seoul, South Korea

Doctor of Medicine   2015

KAIST (Korea Advanced Institute of Science and Technology)   Daejeon, South Korea

Bachelor of Science in Chemical and Biomolecular Engineering   2011

Honor: Magna Cum Laude; National Academic Excellence Scholarship: full tuition

WORK EXPERIENCE

Freelance Epidemiologist   Sep 2019 – Present

- Support researchers design a new research project, prepare dataset, design analysis plan and perform statistical analysis e.g. Group trajectory modeling, multiple imputation by SAS & Stata and version control using Git
- Proofread, translate, review and edit the language of the documents related to epidemiology, medicine, or scientific research

Student Researcher   Boston, MA

Harvard T.H. Chan School of Public Health   Nov 2018 – May 2019

Advisor: Dae Hyun Kim, MD MPH ScD, Harvard Medical School

Practicum: Long-term Effect of a Multicomponent Intervention on Physical Performance and Frailty in Older Adults

- Validated and manipulated the datasets of the Aging Study of Pyeongchang Rural Area (ASPRA) cohort comprised of four entry points and 1267 participants with monthly, quarterly and yearly measurements using SAS
- Developed a statistical analysis plan and managed timelines for the practicum project
- Conducted multivariate imputation by chained equations, propensity score matching, inverse probability weighting, longitudinal and survival analysis, and bootstrapping using Stata and SAS
- Delivered oral presentation, wrote a final report and currently working on the manuscript as a first author for publishing
- Abstract submitted for the poster session at The Gerontological Society of America 2019 Annual Scientific Meeting

Hospitalist, Department of Neurosurgery and Orthopedic Surgery   Anyang, South Korea

International Naeun Hospital   Dec 2015 – Jul 2016, Feb – May 2018

108-bed hospital with neurosurgery, orthopedic surgery, PM&R, anesthesiology, and IM inpatients

- Worked as the sole night-shift physician managing pre/post-operative inpatients
- Made a primary decision for the emergency situation such as suspected stroke or cardiac arrest

Physician, Community Outreach Health Screening Service   Gwangju, South Korea

Hyochang Hospital   Dec 2017 – Feb 2018

- Provided the Lifetime Periodic Health Screening Program from the Korean National Health Insurance Service to rural communities in Jeolla and Gyeongsang province

Physician, Emergency Medical Center   Incheon, South Korea

International St. Mary's Hospital, Catholic Kwandong University   Feb 2017 – Jun 2017

University hospital in Seo District, Incheon. 613 beds, including 27 Emergency Department beds

- Assessed and managed patients of all ages, interpreted lab and imaging results, and discharged patients without critical issues
- Supervised third-year medical students taking a medical history, conducting physical examinations, and writing ER notes

General Practitioner, Department of Dermatology   Anyang, South Korea
BE Plastic Surgery & Dermatology Clinic   Mar 2015 – Sep 2015
- Conducted cosmetic consultations and laser treatments
- Installed an improved patient education system and developed an informed consent form, resulting in reduced patient misinformation

Student Researcher, Department of Preventive Medicine   Seoul, South Korea
Yonsei University School of Medicine; Advisor: Eun Cheol Park, MD PhD   2014
- Examined the factors associated with the irregularity of menstruation: data from Korea National Health and Nutrition Examination Survey
- Developed a statistical analysis plan and conducted logistic regression analysis independently using SAS

Intern, Expanded Programme on Immunization   Manila, Philippines
Western Pacific Regional Office, World Health Organization   Dec 2013 – Feb 2014
- Evaluated measles progress reports from 14 of the member states based on the guidelines on verification of measles elimination. Supported each member state in revising their progress report to contain the necessary information for the verification
- Wrote a report on surveillance and vaccination programs of Japanese Encephalitis in Cambodia by conducting a literature review, analyzing descriptive statistics, and summarizing the achievements of the vaccination program
- Delivered three presentations to interns and WHO staff on the history of public health, the healthcare systems of Canada and Japan, and the work of the Expanded Program on Immunization

Student Researcher   Daejeon, South Korea
Integrative NanoBioMEMS Laboratory, KAIST; Advisor: Tae Seok Seo, PhD   Fall 2010
Undergraduate thesis: Methylene blue adsorption by three-dimensional graphene oxide nanostructure
- Conducted literature review, measured and analyzed absorption rate and wrote an undergraduate thesis
- Co-authored peer-reviewed journal article 'Three-dimensional graphene oxide nanostructure for fast and efficient water-soluble dye removal' cited by 379 in June 2019

Research Assistant   Daejeon, South Korea
Graduate School of Innovation and Technology Management, KAIST; Supervisor: Mikyung Kim, MD, JD   Fall 2009
- Interviewed 12 researchers on the biomedical research environment in South Korea with supervisor
- Principally edited 12 videos for each individual biomedical researcher and three video clips on the research environment

Translator   Seoul, South Kora
Korean National Foster Care Center   Summer 2009
- Translated parts of a foster parenting training guidebook 'Foster PRIDE Core' from English into Korean for the foster parents training program in South Korea

Research Intern, Seoul National University Biomedical Informatics Lab   Seoul, South Korea
College of Medicine, Seoul National University; Advisor: Ju Han Kim, MD, PhD   Summer 2008
- Linked protein-protein interaction data with microarray data of 100 patients with leukemia, and found differentially co-expresssed genes by prognosis using R
- Delivered poster presentation at the Second Seoul National University Biomedical Science Student Research Symposium, and received consolation prize

U.S. CLINICAL TRAINING

Externship: Internal Medicine   Chicago, IL
Swedish Covenant Hospital   May – Jun 2018
Externship: Psychiatry, Family Medicine   Chicago, IL
Jackson Park Hospital   Aug 2016, Aug 2017 – Sep 2017
Observership: Infectious Disease, Internal Medicine, Pediatrics   Tampa, FL
Tampa General Hospital**,** University of South Florida   Sep – Oct 2016

PUBLICATION & PRESENTATIONS

Journal Article

Liu, F., Chung, S., Oh, G., Seo, T. S. (2012). *Three-dimensional graphene oxide nanostructure for fast and efficient water-soluble dye removal*. ACS Applied Materials & Interfaces, 4(2), 922-927, PMID: 22206476

Oh, G., Jang, I., Lee, H., Jung, H. Lee, E., Kim, D. (2019). *Long-term Effect of a Multicomponent Intervention on Physical Performance and Frailty in Older Adults*. Manuscript in preparation. Oral presentation at the 2019 Harvard T. H. Chan School of Public Health MPH Quantitative Methods Student Practicum Presentation, Boston, MA

Poster Presentation

Oh, G., Cho, S. B., Kim, J. H. (2008). *An integrative approach for finding prognosis related genes: Using protein-protein interaction and microarray data*, The Second Seoul National University Biomedical Science Student Research Symposium, Seoul, South Korea

AWARDS & SCHOLARSHIPS

JW Lee Global Young Frontier Grant, Korea Foundation for International Healthcare, South Korea   2014
$2,500 grant for an internship at the World Health Organization from a Korean government-funded foundation

National Academic Excellence Scholarship, Ministry of Education, South Korea   2007 – 2011
Full scholarship for undergraduate studies. Awarded annually to the students with the highest academic performance in science and engineering in South Korea

Consolation Prize, Seoul National University Department of Biomedical Science, Seoul, South Korea   2008
The Second Biomedical Science Student Research Symposium, Seoul, South Korea

LEADERSHIP & VOLUNTEERING

Vice President & Treasurer, Chejung Student Dormitory Council**,** Yonsei University   2013 – 2015
- Audited dormitory finances, acted as a liaison between students and the university administration
- Organized dormitory social events: student orientation, homecoming day, and open dormitory day
- Worked as a student representative of the New Dormitory Construction Committee, resulting in a new dormitory with a design reflecting the students' opinions

Founding Member & Vice President, Mavericks (student dance club)*,* Yonsei University   2011 – 2013
- Fundraised for annual concerts, prepared financial statements and schedules, and acted as a club treasurer

Teaching Assistant, Anyang Gwanak Welfare Center for the Disabled, Anyang, South Korea   2011
- Assisted teenagers with intellectual disabilities to participate in field trips and center-based program

Features Editor, KAIST Times (student newspaper), Daejeon, South Korea   2007 – 2008
- Selected and assigned stories to reporters. Reviewed and edited the writers' work
- Held an event entitled 'Talk with the President' with the student council to facilitate communication on the new policy between students and university faculty

LICENSES & CERTIFICATES

Learning Certificates/Accomplishments
    Getting Started with SAS® Programming, Doing More with SAS® Programming, SAS   2019
    Relational Algebra, Stanford lagunita   2019
Educational Commission for Foreign Medical Graduates (ECFMG) Certificate, USA   2016
Physician License, Ministry of Health and Welfare, South Korea   2015

TECHNICAL SKILLS

Languages/statistical software: SAS(Base, STAT, Macro), Stata, R, SQL, MATLAB, Maple, Java, C++, Markdown, SPSS
Other Softwares/platforms/developmental tools: Microsoft Access, Excel, Outlook, Word, PowerPoint, Git, Aetion, Epic EMR
Human Languages: English, Korean