

# YUYUAN LIN

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## EDUCATION

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**Yale University, School of Public Health; New Haven, CT** 2019 - present  
Master of Public Health (MPH), Chronic Diseases Epidemiology

**Shanghai Jiao Tong University (SJTU), School of Medicine; Shanghai, China** 2014 - 2019  
Medical Degree, Preventive Medicine, Graduate of Merit

**The University of Sydney, School of Public Health; Sydney, Australia** July - Aug. 2018  
Six-week Study Program in English and Public Health

**UCLA, David Geffen School of Medicine; Los Angeles, CA** July - Sept. 2016  
Cross-Disciplinary Scholars Program

### Honors & Scholarships

Academic Scholarship (Three times, University Top 25%) 2015, 2016, 2018  
Merit Student of SJTU (University Top 5%) Oct. 2016  
Graduate of Merit, Shanghai (Top 5% in Shanghai) June 2019

## RESEARCH EXPERIENCE

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**Master's Thesis, Yale School of Public Health** 2020 - present  
*New Haven, CT* *Advisor: Prof. Andrew DeWan*

- **Project: Exploring Epistasis in Candidate Genes for Asthma Using UK Biobank Dataset**
- Will conduct genowide association studies (GWAS) using data from UK Biobank
- Will search among the marginally significant SNPs for gene-gene interactions of asthma

**Bachelors Dissertation, SJTU Clinical Research Institute** 2018 - 2019  
*Shanghai, China* *Advisor: Prof. Biyun Qian, Dr. Weituo Zhang*

- **Project: A Statistical Problem in Applying Deep Learning to Tumor Medical Imaging Classification**
- Wrote a Hierarchical Bayesian Classifier in R; validated the model in simulated data
- Programmed in R and SQL, extracted and cleaned data from real-world hospital databases
- Read and labeled over 1,000 thyroid ultrasound images, helped build Deep Learning training dataset
- Reviewed studies applying Deep Learning to thyroid tumor classification

**Research Assistant, SJTU School of Medicine** 2017 - 2019  
*Shanghai, China* *Supervisor: Prof. Guohong Li*

- **Project: Residents' Intention of Choosing Chinese Medical Care and Influencing Factors in Shanghai**
- Designed a self-reported questionnaire; Organized 2 focus group interviews
- Planned a questionnaire survey; distributed over 400 questionnaires online and offline
- Built up the database in EpiData; Managed and cleaned the data in R
- Conducted statistical analysis; built an ordinal logistic regression model

**Research Assistant, SJTU School of Medicine**  
*Shanghai, China*

2015 Summer  
*Supervisor: Dr.Jing Zhang*

- **Project: Prevalence of Obesity and Related Risk Factors among SJTU Medical Students**
- Planned a cross-sectional study to determine the prevalence of obesity and related risk factors
- Designed a self-report questionnaire; collected and entered 259 valid questionnaires
- Built up the database in Excel and analyzed the data using Chi-square test and Kruskal-Wallis test

## INTERNSHIP EXPERIENCE

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**Epidemiologist Intern, Reboot Rx**  
*Boston, MA*

2020 Summer  
*Supervisor: Dr.Laura Kleiman, Pradeep Mangalath*

- Synthesized evidence for repurposing generic drugs for cancer treatment using meta-analysis
- Developed an innovative model for combining and ranking evidence from published publications
- Developed an R shiny app to illustrate results interactively

**Public Health Intern, Changning CDC & Putuo Health Inspection Agency**      2018 - 2019  
*Shanghai, China*      *Supervisor: Xueqin Jiang*

- Performed on-site sampling; Assisted with on-site health administration
- Analyzed the vaccination data of Shanghai in SPSS
- Recorded and managed complaint reports on health issues in MS Excel
- Published blogs for health education and communication

**Medical Intern, Renji Hospital & Ruijin Hospital & Mental Health Center**      2017 - 2018  
*Shanghai, China*      *Supervisor: Dr.Xinnan Yang*

- Managed average 4 inpatients every week during rotation; collected and managed medical history
- Performed physical examination and basic surgical operations
- Assisted with cesarean deliveries and laparoscopic surgeries

## SKILLS

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<b>Software &amp; Tools</b>	Proficient in R, Python, SPSS, MS Office, PLINK, L <sup>A</sup> T <sub>E</sub> X Familiar with SAS, SQL, MongoDB, ArcGIS
<b>Language</b>	Mandarin Chinese (native language); English (fluent)