Kevin Yang

GitHub Portfolio:

www.github.com/kevintyang/

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# EDUCATION

**Masters of Science,** Biomedical Informatics: Data Science May 2022

*University of Utah*

* GPA: 3.938
* Relevant coursework: Introduction to Programming, Biomedical Data Wrangling, Stats for Biomed Info, Biomed Text Processing, Intro to Data Science, Applied Machine Learning, Data Visualization

**Honors Bachelors of Science,** Biology May 2018

*University of Utah*

* GPA: 3.984
* Relevant coursework: Honors Organic Chem I&II, Biological Chemistry, Human Physiology, Physics of the Human Body

# WORK EXPERIENCE

**Lab Technician**  August 2016 – May 2021

*University of Utah, Division of Nephrology, Salt Lake City, Utah*

* Spearheaded diabetes insipidus therapy research and white adipose beiging phenomenon
* Supported laboratory staff with advanced troubleshooting, resolving complex problems and helping with special projects such as surgeries for implantation of osmotic pumps.
* Conducted experimental procedures such as DNA&RNA extraction, qRT-PCR, Western blot, immunohistochemistry, and mouse metabolic cage studies.

**Teaching Assistant** Fall 2016 – May 2017

*University of Utah, CHEM 2320: Organic Chemistry II*

* Hosted weekly discussions sessions to review material
* Collaborated with professor and teaching team to write exams, homework, and problem sets
* Improved student analytical skills when completing problem sets
* Graded assignments and exams for ~75 students

# PYTHON PROJECTS

* Conducted an investigation in detecting Alzheimer’s using machine learning algorithms (In Progress)
* Cleaned large dataset concerning long-term COVID-19 effects
* In-depth investigation on customer patterns in treadmill purchasing

# PUBLICATIONS

* Wang F, Luo R, Zou CJ, Xie S, Peng K, Zhao L, **Yang KT**, Xu C, Yang T. “[Soluble (pro)renin receptor treats metabolic syndrome in mice with diet-induced obesity via interaction with PPARγ.”](https://pubmed.ncbi.nlm.nih.gov/32271168/) JCI Insight. 2020 Apr 9
* **Yang KT**, Yang T, Symons JD. “[Soluble (pro)renin receptor as a potential therapy for diabetes insipidus.](https://pubmed.ncbi.nlm.nih.gov/30019932/)” Am J Physiol Renal Physiol. 2018 Nov 1
* **Yang KT**, Wang F, Lu X, Peng K, Yang T, David Symons. “[The soluble (Pro) renin receptor does not influence lithium-induced diabetes insipidus but does provoke beiging of white adipose tissue in mice.](https://pubmed.ncbi.nlm.nih.gov/29138356/)” J.Physiol Rep. 2017 Nov
* Wang F, Lu X, Peng K, Fang H, Zhou L, Su J, Nau A, **Yang KT**, Ichihara A, Lu A, Zhou SF, Yang T. “[Antidiuretic Action of Collecting Duct (Pro)Renin Receptor Downstream of Vasopressin and PGE2 Receptor EP4.](https://pubmed.ncbi.nlm.nih.gov/27000064/)” J Am Soc Nephrol. 2016 Oct
* Lu X, Wang F, Xu C, Soodvilai S, Peng K, Su J, Zhao L, **Yang KT**, Feng Y, Zhou SF, Gustafsson JÅ, Yang T. “[Soluble (pro)renin receptor via β-catenin enhances urine concentration capability as a target of liver X receptor.](https://pubmed.ncbi.nlm.nih.gov/26984496/)” Proc Natl Acad Sci U S A. 2016 Mar 29
* Lu X, Wang F, Liu M, **Yang KT**, Nau A, Kohan DE, Reese V, Richardson RS, Yang T. “[Activation of ENaC in collecting duct cells by prorenin and its receptor PRR: involvement of Nox4-derived hydrogen peroxide.](https://pubmed.ncbi.nlm.nih.gov/26697985/)” Am J Physiol Renal Physiol. 2016 Jun 1