**Steven Kim**

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**EDUCATION AND CERTIFICATES**

**The University of Texas at Austin** *Bachelor in Science and Arts in Biochemistry, Economics* May 2021

*Certificate in Scientific Computation*

University Honors

Overall GPA: 3.97

**Google** *Data Analytics Professional Certificate* Aug 2021

**TECHNICAL SKILLS**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Proficient Computer Languages:** R, Python, C++, STATA, Javascript, Java, SQL

**Miscellaneous Computer Skills:** React, Access, Photoshop, Premiere Pro. Excel, Machine Learning, Flask, pandas, dplyr, bioinformatics, RNA-Seq

**RELEVANT PROJECTS**

**Differential Gene Expression of Ulcerative Colitis Tissue Types** May 2020

* Performed colon microarray data cleaning and data analysis of 202 patients
* Modeled genetic variation with R packages ggplot2, tidyverse, Bioconductor (limma)

**Youtube Data Predicting Channels** June 2021

* Used over 30 user data to predict relevant statistics such as total watch time, most watched channels, and average revenue generated per session.
* Authenticated Google Youtube API and integrated with SQL requests

**Website for Music Genre** December 2021

* Created with React and interactable elements with Hooks and classes

**RESEARCH PUBLICATIONS**

**eLife. Enhanced ER-Associated Degradation of HMGCR Causes Embryonic Lethality Associated with Ubiad1 Deficiency**. Mar 2020

* Discovered critical role of UBIAD1’s role in cholesterol degradation in UBIAD1/HMGCR homozygous knock-in mice.
* Harvested and Isolated RNA from UBIAD1 knockout mice

**RESEARCH/CLINICAL EXPERIENCE**

**Dr. Joe Nickels** – *Research Associate; Genesis Biotechnology Group*  July 2021 -- Present

*Focuses on SREBP2 Regulation and bloodwork*

* Implemented high-throughput screening to screen 24 different compounds
* Collaborated with other lab members to design and verify compounds via luciferase assay
* Managed bloodwork data of over 1000 patients.
* Analyzed samples with relevant statistical methods

**Dr. Russell DeBose-Boyd** – *Lab Research Assistant; University of Texas at Southwestern*  2015-2019

*Focuses on HMG-CoA Reductase Regulation*

* Mutated over 100 transgenic UBIAD1 human fibroblasts with cell culture (2015)
* Created pcDNA used for UBIAD1 knock-in mice. (2016)
* Ran Co-Immunoprecipitations on UBIAD1 and detected for other proteins (2017- 2018)
* Analyzed UBIAD1 knock-in mice RNA data via RT-qPCR.
* Prepared virus particles used for transformation and cryo-EM imaging
* Nucleic acid extraction and purification of knockout liver cells

**LEADERSHIP EXPERIENCE AND ACTIVITIES**

**Society of Asian Scientists and Engineers (SASE)** –2017–Present

* *Vice President Finance:* Track, oversee, and plan monetary expenses for major events
  + Budgeted $5000+ on general meetings, corporate gifts, etc… with Microsoft Excel and pandas dataframe
* President: Oversee other officers, representative of SASE UT Austin
  + Managed officers during COVID
  + Held multiple socials, networking events, and career advice seminars