Jin (Vincent) ZHANG

SOFTWARE ENGINEER

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EDUCATION

2009 **University of California San Diego**

Bachelor of Science Bioinformatics with spec in Computer Science

SKILLS

Python ● Flask ● Django ● HTML ● CSS ● Javascript ● Linux ● Git ● SQL

PROJECTS

StellarRobot

A web application designed for the Stellar digital currency backed by the popular payments company Stripe. StellarRobot tracks deposits made to the application and sends a corresponding return payment minus a small fee. StellarRobot takes advantage of Stellar's promotion for sending your first payment and receiving a bonus from the Stellar Foundation.
The technology stack used to build StellarRobot was Python, Flask web framework, PostgreSQL database, websockets to listen for incoming transactions, Celery for task management, RabbitMQ for messaging queue, Redis to handle task locking, and Nginx as a reverse proxy in front of Gunicorn web server hosted on Digital Ocean.

CheckRobot.com

A free check printing service for small businesses and home users. Users are able to add their bank account details and save regular payees so writing a check is as simple as entering in the amount. Written in Python, Flask web framework, PostgreSQL database, Twitter Bootstrap for user interface, ReportLab for PDF generation and SSL/HTTPS on Nginx.

RentMath.io

A simple rental property income calculator. Calculates monthly mortgage payments, cash flow, capitalization rate, and other metrics. Written in Python, Flask web framework and Twitter Bootstrap.

Areacodely.com

A location lookup tool using the first six digits (area code and prefix) of a United States phone number. Data is gathered from the North American Numbering Plan Administration (NANPA). Written in Python, Flask web framework and PostgreSQL database.

PUBLICATIONS

[1] Nadejda Beliakova-Bethell, **Jin X Zhang**, Akul Singhania, Vivian Lee, Valeri H Terry, Douglas D Richman, Celsa A Spina, and Christopher H Woelk. Suberoylanilide hydroxamic acid induces limited changes in the transcriptome of primary CD4+ T cells. AIDS 27, 29-37. 2013.

[2] **Jin X Zhang**, Christopher H Woelk, Lorraine Walls, Suganya Viriyakosol, Akul Singhania, Theo N Kirkland, and Joshua Fierer. Factors regulated by interferon gamma and hypoxia-inducible factor 1A contribute to responses that protect mice from Coccidioides immitis infection. BMC Microbiology 12:218. 2012.

[3] Josué Pérez-Santiago, Rebeca Diez-Alarcia, Luis F Callado, **Jin X Zhang**, Gursharan Chana, Cory H White, Stephen J Glatt, Ming T Tsuang, Ian P Everall, J Javier Meana, and Christopher H Woelk. A combined analysis of microarray gene expression studies of the human prefrontal cortex identifies genes implicated in schizophrenia. Journal of Psychiatric Research 46, 1464-74. 2012.

[4] Brett N Bowman, Paul R McAdam, Sandro Vivona, **Jin X Zhang**, Tiffany Luong, Richard K Belew, Harpal Sahota, Donald Guiney, Faramarz Valafar, Joshua Fierer, and Christopher H Woelk. Improving reverse vaccinology with a machine learning approach. Vaccine 29, 8156-64. 2011.