**Timothy Hong**

Fremont, CA 94539

E-mail: timothy.d.hong@gmail.com github.com/tim-hong

Phone: (510) 648-4034 tim-hong.github.io

An accomplished software engineer with a proven track record for providing reliable technical expertise, project management, and program delivery. A well-rounded and reliable leader with outstanding interpersonal and communication skills driven to develop strategic priorities and grow within a strong work culture.

**Core Skills and Knowledge**

* System Planning and Implementation Java, JavaScript, Python, R, SQL MySQL, PostgreSQL
* Java EE, Node, Express, Flask, and React d3.js, jQuery, Tableau, Git, SVN, and Jira HTML, CSS, and SASS

**Experience**

**LiveHive, San jose, ca January 2018 – September 2018**

Software Engineer

* Responsible for developing new and improved MySQL table structures, indexes, and query performances
* Implemented new features and solutions for a wide variety of bugs in both back-end and front-end structures
* Managed Salesforce integration project, migrating development tools and SDKs to increase code reliability
* Planned, scheduled an aligned work functions and tasks with multidisciplinary team to achieve project priorities
* Provided support utilizing Java, Java EE, MySQL, JavaScript, Angular, SVN, REST APIs, Jira, and Scrum

**Expressive Intelligence Studio, santa cruz, ca October 2014 – December 2016**

Research Assistant

* Responsible for compiling an embedded web application into a shippable desktop .exe file on Windows platform
* Built and analyzed data models, applying advanced techniques from distributional semantics
* Designed and implemented interactive data visualizations using innovative machine learning techniques
* Contributed to multiple projects resulting in 4 research publications
* Provided support utilizing Python, Flask, JavaScript, Theano, d3.js, jQuery, HTML, CSS, Data Analytics, and Research

**Education**

**Southern New Hampshire University 2019 – Nov 2021**

Master of Science – Data Analytics

* GPA: 4.0

**University of California, Santa Cruz, CA 2013 – 2017**

Bachelor of ART – Computer Science

* Amy Beth Snader Memorial Scholarship (2013 – 2017)
* Dean’s List (2013 – 2014)

**Project Experience**

Cell Service Churn Exploration

* Explored data to determine which features influence customer churn rates
* Designed and implemented predictive solutions in order to detect accounts that pose a high risk of churn
* Effectively applied multiple tools including R, Data Analytics, and Research

Game Math

* Issue: Games studies researchers disproportionally utilize and cite a small sample of titles in their research
* Solution: A tool that allows researchers to query and find new titles related to current sample and subject
* Example: Mario - platformer + racing = X (Mario Kart)
* Effectively applied multiple tools including Python, gensim, Flask, JavaScript, jQuery, and Java5