

David Huang

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Passionate Software Engineer with 1+ year experience developing robust code, eager to learn new technology stacks. Looking for a **Software Engineer** opportunity.

EDUCATION

University of Texas at Dallas

Richardson, TX | December 2017

B.S. in Mathematics and Computer Science (Minor)

- **Computer Science Coursework** C++ & JAVA Object-Oriented Programming, Software Engineering, Data Structure & Algorithms, Database System, Machine Learning, Web development: MERN stack

SKILLS

- **Programming Languages** Python, Java, JavaScript, SQL, HTML, CSS
- **Tools** React, Redux, Node, Express, MongoDB, PostgreSQL, NoSQL, MySQL, Git, Agile, JSX, DOM, NPM, JSON, RESTFUL/ REST API, AWS

EXPERIENCE

Engineer/ Analyst

Ascension Data & Analytics

Arlington, TX | April 2018 – Present

- Used Python to build enterprise pipeline to improve the efficiency and efficacy of daily business flow.
- With more than a trillion records of data in SQL, performed data cleansing and querying, as well as developed efficient algorithms cutting the run time from $O(N^2)$ 336 hours to $O(N)$ 12 hours.
- Built machine learning models for the Fintech Hedge Fund to predict the performing probabilities for pools of mortgages worth millions of dollars. The business then made buy/sell decisions based on the forecast.

Software Engineer

Tuva Blockchain – Blackstone Launchpad

Dallas, TX | April 2017 – April 2018

- Develop the Web App using the MERN stack, React JS, Node JS, Express JS, and MongoDB.
- Deployed the product in Solidity, a programming language for implementing smart contracts.
- Joined Blackstone Launchpad, entrepreneurship program from the world's largest investment firm.

Engineer/ Analyst Intern

General Motors Financial

Arlington, TX | June 2017 – August 2017

- Provided cleaned, ready-to-use data for the analysis team by data cleansing and pre-processing in SQL.
- Built machine learning predicting models in SAS programming to forecast car price and customers' lease term based on data sets containing more than 1.7 Million observations and 20 variables.

PROJECTS & COMPETITIONS

Restaurant Recommendation System - JAVA

January 2017

- Led 5 members to build a B2C application in Java that recommended restaurants based on user's reference, and a management system that efficiently controlled users' and business' data with a Java CRUD program.

AI Crypto Trading Bot - PYTHON

August 2017

- Built a trading Bot on Binance – the biggest cryptocurrency exchanges. Programmed in Python, using neural network model (artificial intelligence) and Binance REST API. The highest return of investment in a single month was near 300%.