Kevin Zhang

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Product-Driven Computer Engineer
Machine Learner
Strategy & Finance Enthusiast

Education

Carnegie Mellon University
MS in Software Engineering
Class of 2017
President. Coding Gym

University of Toronto
BASc in Computer Engineering
Minor in Business
Class of 2015

Languages
Python
Java
C/C++
Go
C#
MATLAB/Octave
HTML/CSS/JS
Node.js

Tools
TensorFlow
Keras
scikit-learn
Pandas + Numpy
Docker
AWS
SQL/noSQL
Express.js
Ember
CUDA
OpenFrameworks

Skills & Interests
Strategic Analysis
Financial Modelling
Chinese fluency
Piano aficionado

Experience

Software Engineer (2018—current)
Product Manager in Training—Salesforce, San Francisco

- Built business-critical functionality for Field Service Lightning product line
- Designed and implemented features end-to-end. This includes data modeling, business logic implementation, data engineering, and testing
- Collaborate closely with Senior Product Manager to build out internal market intelligence data for the Field Service Management industry
- Use multiple data sources, including product roadmap, revenue trends, and Gartner/Forrester research to identify opportunities and address gaps
- Developed Product Requirements Document for an upcoming geo-location feature—from ideation to use-case analysis to metrics for success

Software Engineering Intern—Salesforce, San Francisco (Summer 2017)

- Created the data assessment feature on the Sales Cloud platform to help customers better evaluate third-party data enrichment packages
- Feature is a major component of a strategic partnership between Salesforce and a multi-billion-dollar data vendor

Project Vyper—CMU, NASA Ames Research Center (Fall 2016)

- Reworked the Robot Operating System networking/physics protocol to facilitate deep learning in Unreal Engine
- Built a flight controller driver to enable pilot control in VR environment

Software Engineering Intern, SAP—Palo Alto, California (2014—2015)

- Built bleeding edge software prototypes, with projects ranging from a high-performance collaborative display wall to an app which analyzes and predicts user behavior

Projects

Project Midas (Spring 2017)

- Created a stock prediction ML system using an LSTM neural network
- Used multiple financial indicators, including trading volume and open/closing prices to predict stock prices represented in the S&P 500
- Achieved ~55% directional prediction accuracy on early prototype

Project Midnight (Summer 2016)

- Designed custom Lisp programming language in C and created a standard library supporting mathematical and memory operations

Project AR—Supervised by Prof. Steven Mann (2015—2016)

- Research project which explored novel use cases of Augmented Reality
- Built system to recognize the environment and respond to hand gestures