TOM CHENG



DATA SCIENTIST

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SUMMARY



*I’m a data scientist specialized in improving business performances through data analysis and sales forecast to find optimal performance criteria for the business to be successful. I have extensive experience in design, implementation, and analysis of data-driven studies/decisions for businesses.*

EDUCATION



**Springboard** May 2020 - Current

*This online data science cohort consists of 500+ hours of intensive curriculums in data science, machine learning, Python, and SQL. Including one guided capstone and two selective capstone projects (see projects).*

**San Jose State University** Summer 2010 - Winter 2012

*B.A. Psychology 2012*

EXPERIENCE



**Super Cue Cafe**,*Co-owner*,SF and San Mateo Jan. 2013 - May 2018

*Collected data to forecast sales on a weekly basis to help inventory and staffing efficiently.*

*Analyze product sales seasonally to help decide on which products to keep, replace, or promote.*

*Stores staffed according to the forecasts had yearly net gain increasing from 5~20%.*

**U.S. Army**,*92A - Logistical Supply Specialist*,South Korea June 2003 - June 2006

*This is where I trained to be disciplined. I began as a follower, learned teamwork, and developed leadership.*

SKILLS



**SOFTWARE AND PROGRAMMING LANGUAGES:** *Python, Tableau, SQL, MS Excel, MS PowerPoint*

**DATA ANALYSIS:** *Pandas, NumPy, statsmodels, Scikit-learn, SciPy*

**DATA VISUALIZATION:** *Seaborn, Matplotlib*

**PREDICTIVE MODELS:** *ARIMA, SARIMAX, BATS, TBATS, HWE*

PROJECTS



[Time Series Forecast](https://github.com/tc18fwd/SpringBoard/tree/master/Capstone%20Two) Sept. 2020 - Nov. 2020

*Using Python to clean and implement data to several time series models. I was able to make a model that's able to forecast sales on a hourly level, and capture three seasonality: daily, weekly, and yearly.*

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