

Machine Learning Course - Earn a ML certificate from UCSD Extension in 6



Esther Su (She/Her) · 1st

Data Scientist, Machine Learning

San Francisco Bay Area · [Contact info](#)

500+ connections



3 mutual connections: Joshua Crawford, Chun-Yu Chung, and 1 other

Message

More

Yu-Ting, you're skilled in Machine Learning



You both studied at National Taiwan University

Want to endorse Esther for Machine Learning?

Skip

Endorse

Highlights



You both studied at 國立臺灣大學

Esther started at 國立臺灣大學 after you started

[Say hello](#)

About

I am OPEN to new opportunities

- 5 years of working experience in analytics/engineering at startup, research institution, consulting, and insurance company.
- SOA certified associate actuary(ASA)
- Experienced with big data processing and end-to-end machine learning system
- Hands-on experience with computer vision(object tracking), natural language processing(search), and personalization systems(content-based)
- Familiar with scientific computing languages and deploy tools

Languages: Python, R, Visual Basic, Matlab, SAS, C

Web stacks: HTML, CSS, JavaScript

Frameworks: Django, Flask, Falcon

Deploy tools: AWS, GCP, Azure, Docker

Database: MYSQL, MongoDB

Dashboard/Visualization: Tableau, Plotly, Shiny

Activity

826 followers

Posts Esther created, shared, or commented on in the last 90 days are displayed here.

[See all activity](#)

Experience



Data Scientist, Machine Learning

BCG Digital Ventures · Full-time

Feb 2019 – Jun 2021 · 2 yrs 5 mos

Manhattan Beach, California, United States

- Geofencing Security System(CV): object detection/tracking (RetinaNet, optical flow)
- Credit Risk Forecasting project: credit limit determination and default rate forecasting
- Knowledge Search System(NLP): question-answering, machine reading comprehension(MRC), learning to rank(LTR), multi-label classification
- Personalization App(Reinforcement): Thompson sampling for the cold start
- Other POC ML projects: data augmentation(imputation, web-scraping), automatic reporting and dashboarding, real-time tracking system(IoT in healthcare)

* Algorithms: BERT, logistics regression, GRU, CNN, RNN, stacking, BiDAF, kNN, decision tree

* Packages: numpy, pandas, scipy, opencv, sklearn, skmultilearn, spacy, allennlp, elasticsearch, asyncio

* Industries: manufacturing, finance, retailer, pharmaceutical, nonprofit

* Tech stacks: Python, MySQL, NoSQL(MongoDB), Spark , VBA, Tableau, Plotly

* Tools: Azure, GCP(Kubernetes, BigQuery, DataStudio, Firestore) , AWS(S3, EC2, EMR)

[see less](#)



Researcher, Disease Surveillance And Risk Monitoring (DiSARM) Platform

UCSF Medical Center · Part-time

Feb 2018 – Dec 2018 · 11 mos

San Francisco Bay Area

- Classified building types in Africa with OpenStreetMap to implement malaria control into the household level.
- Combined Leaflet and Shiny to visualize the classification model into a web app to deliver insights at scale



Statistics Tutor

University of California, Berkeley · Part-time

Aug 2017 – Dec 2018 · 1 yr 5 mos

Berkeley, California

Fall 2017: Stat 2 and 20

Fall 2018: Stat 2, 20, 133, 134 and 135

- Introduction to statistical and critical thinking
- Introduction to Probability and Statistics
- An introduction to computational data analysis

[see less](#)



Data Scientist Intern

BCG Digital Ventures · Internship

Jun 2018 – Aug 2018 · 3 mos

Bellevue, Washington

- Developed predictive models to forecast weekly crop harvest and number of fruit loads on the plants
- Predicted greenhouse water levels and dried rates with LSTM, dynamic regression, and threshold autoregression
- Implemented grey models to provide an alternative solution for new growers without enough data

* Tech stack: Python, R, Flask, Keras

* Algorithms: Gradient Boosting, Random Forest, LSTM, ARIMA, Fourier Transform, Dynamic Regression

* Industry: Agriculture

[see less](#)



Data Scientist Intern(co-op)

Intento, Inc. · Internship

Feb 2018 – May 2018 · 4 mos

Berkeley, California

Designed a customer-facing sentiment APIs comparison experiment to distill customer satisfaction for



Esther Su (She/Her)

Data Scientist, Machine Learning

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Promoted


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>

* Tec

* Methods: Wilcoxon test, Meta-analysis, Mediation analysis

see less

Actuarial Analyst

MassMutual Mercuries Life · Full-time

Sep 2014 – Jun 2017 · 2 yrs 10 mos

Taipei City, Taiwan

- Developed the first whole life cancer insurance product (Markov chain model) in Mercuries Life
- Executed experience study, lift analysis, cash flow forecasting, and simulation for risk and revenue management

* Tech stack: VB, SQL, TAS, Excel, Shell

* Area: GLM(Gamma, Poisson, Gaussian), survival analysis, stochastic analysis, multivariate/univariate analysis, back-testing

see less



IT Intern

Cigna · Internship

Jun 2013 – Sep 2013 · 4 mos

Taipei City, Taiwan

- Conducted the annual computer scanning project to secure sensitive data in hundreds of local machines
- Analyzed daily system traffic data and thousands of user accounts for internal security and account management

* Tech stack: Excel, VB, Shell

[see less](#)

[Show fewer experiences](#) ^

Education



University of California, Berkeley

Master of Arts (M.A.), Statistics

2017 – 2018

Advanced Probability and Statistics, Statistical Computing, Data Mining and Analytics, Statistical Models, Deep Reinforcement Learning, Natural Language Processing



National Taiwan University

Information System Training Program, Department of Computer Science and Information Engineering, 4.0/4.0

2016 – 2016

Data structure & Advanced C Programming(A+), Python Programming(A+)



National Taipei University

Bachelor's Degree, Statistics, 3.9/4.0

2011 – 2014

Activities and Societies: Free Boxing Club, Taekwondo Club

* Finished the degree one year earlier with scholarships at age twenty

* Nonparametric Statistical Method, Time series Analysis, Categorical Data Analysis, Survival Analysis

Licenses & certifications



Triplebyte Certified Data Science Engineer

Triplebyte

Issued Feb 2021 · No Expiration Date

Credential ID bi0HJoE

[See credential](#)



Associate of the Society of Actuaries (ASA)

Society of Actuaries

Issued Dec 2015 · No Expiration Date



FSA Module - Financial Modeling

Society of Actuaries

Issued Dec 2015 · No Expiration Date

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Volunteer experience

DataFest Volunteer

The American Statistical Association (ASA)

Apr 2018 · 1 mo

Education

Helped undergrad participants on programming questions, statistics questions, and brainstorming ideas

Statistics Commencement Ceremony Volunteer

Department of Statistics, UC Berkeley

May 2018 · 1 mo

Education

- * Helped to post signs and keep aisles clear during the ceremony and recessional
- * Directed graduates into Playhouse for walkthrough/rehearsal
- * Assisted with photos Haas Pavillion steps and lining up of BA graduates up for processional

Reviewer (Deep RL 2018)

UC Berkeley

Oct 2018 – Dec 2018 · 3 mos

Education

Reviewed three Deep RL project proposals

Skills & endorsements



Machine Learning · 3

Shu-Hao (Daniel) Chang and 2 connections have given endorsements for this skill



LinkedIn Skill Assessment badge



Statistical Modeling · 1

Shu-Hao (Daniel) Chang has given an endorsement for this skill



Data Mining · 1

Shu-Hao (Daniel) Chang has given an endorsement for this skill

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Accomplishments

17 Courses

Big Data 101 • Categorical Data analysis • Computational Statistics and Probability • Data structure & Advanced C++ Programming • Deep Learning in Python • Devops for Data Scientist • Fullstack django and python bootcamp • Intermediate Python for Data Science • Intro to Java: Functional Programming • Intro to Python for Data Science • Intro to SQL for Data Science • Introduction to Data • Introduction to Machine Learning • Introduction to R for Finance • Java Course • Python Programming • Survival Analysis

8 Projects

E-store Application (full stack) • Note Keeper with Django (full stack) • Kindle Highlight Note Cracker • Build a Ready-to-Use System for stock market with Financial News • Multi-Agent Inverse Reinforcement Learning for Text-Based Games • fMRI and visual images • Predicted Stock Price Movements with Financial News Sentiments • Facial Recognition of Miss Koreans

4 Organizations

Statistics Graduate Students Association • The California Actuarial League (CAL) • Actuarial Institute of Chinese Taipei, AICT • Society of Actuaries

3 Honors & Awards

Shin Kong Life Insurance Company Scholarship • Cathay Life Insurance Company Scholarship • Taiwan Farmers' Association Scholarship

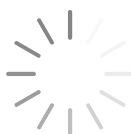
3 Languages

Chinese(Mandarin) • English • Taiwanese



1 Publication

Improving precision of health campaigns through an API for identifying residential buildings



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Yu-Ting, explore relevant opportunities
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Assistant Manager-Data Science at The Home Depot

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[Message](#)**Huitian Jiao** • 3rd

Senior Machine Learning Scientist at Microsoft | #GHC19 attendee

[Message](#)**James (Wan) Kim** • 2nd

Data Analyst at LeanTaaS

[Connect](#)**Bingjie Z.** • 2nd

Senior Machine Learning Engineer at ReSci (Retention Science)

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People you may know

**Po Yu Chen, PMP**

CymMetrik Enterprise Co., Ltd. Account Manager

[Connect](#)**Jaelynn Hsiao**

E-commerce Marketing Specialist, Market Research Analyst, Project Specialist, Communication Specialist,

[Connect](#)**Yuan-Jyun Lu**

Data Platform Software Engineer, at Volkswagen Automotive Cloud team

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