Jonathan Chang

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EDUCATION

UCLA
BS in Electrical Engineering
Jan 2019 | Los Angeles, CA

MT. SAN ANTONIO COLLEGE
AA in Mathematics
AA in Natural Sciences
May 2016 | Walnut, CA

SKILLS

Proficient:
PROCIFIENT
Python, JavaScript, C, Java
FAMILIAR WITH
R, Django, Node/Express, C++,
Git, Bash, SQL, Agile, and Scrum
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COURSEWORK

UNIVERSITY
Algorithms and Complexity
Operating Systems Principles
Computer Organization
Computer Architecture
Programming Languages
Data Communications and Networks
Machine Learning
Data Mining
Logic Design of Digital Systems
Formal Languages and Automata
Robotics

MOOCS
BerkeleyX's Agile Development Using
Ruby on Rails
PennX's Software Development (Java)
Andrew Ng's Machine Learning
Andrew Ng's Deep Neural Networks
CalTechX's Machine Learning
MITX's The Analytics Edge (R)
ASU's Verification and Validation

CERTIFICATIONS

MITX MICROMASTERS PROGRAM IN STATISTICS AND DATA SCIENCE | 7/2021
- Completed 5 courses equivalent to graduate level courses at MIT (130-240 hours per course, over 14 months).
- Solved problems over 1200 problems in probability, statistics, and machine learning.

PROJECTS

DATA FEST 2019 AT UCLA | 4/2019
- Won 1st place in "Best Insight" category.
- Developed and presented actionable model to help training routine using data set provided by Canadian National Women's Rugby Team.

FREELANCE: INVENTORY MANAGEMENT | 11/2018-3/2019
- Designed and integrated web application to track inventory responsively with 30,000 generated QR serials per order.
- Used Node/Express, Handlebars and Sequelize ORM, and tested using Mocha/Chai.

MOBILE LAUNDRY FOLDER | 3/2018-6/2018
- Researched, designed, and programmed pair of autonomous robots with goal to fold laundry as part of group capstone at UCLA.
- Limited budget requirements necessitated designing and 3D printing all parts, and using Arduino-based chip.

PROJECT COLLABORATION NETWORKING | 2/2018
Hack on the Hill 4
- Designed as site that enables students of different majors to post projects to collaborate. Django back-end.

SENSOR DATA OVER SERVER | 1/2018
- Client and server apps over C to send temperatures in rooms over network.

WORK EXPERIENCE

DUMAR INTERNATIONAL/BALLARD PACIFIC | 2005-2011
Accounts Manager
- Developed Visual Basic software to automate the processing purchase orders and invoices from major retailers, generate PDF documents and shipping labels.
- Effectively eliminated processing bottleneck and allowed 4x shipping capacity, from 10 to up to 40 loads a day.
- Coordinated with large retail distributors, warehouse, transport, and buyers to solve logistics and human resources problems.