Jonathan A. Chang

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EDUCATION

UCLA B.S. in Electrical Engineering
Expected Fall 2018
Mount San Antonio College
A.A. in Math, Natural Sciences
Spring 2016

SKILLS

★★★★★
C, C++, Ruby, Java
★★★★☆
Python, R, HTML/CSS, Git, Photoshop, JS/JQuery
★★☆☆☆
Rails, Sinatra, MATLAB, React, Django

COURSEWORK

- Computer Organization
- Software Construction Lab
- Logic Design of Digital Systems
- Operating Systems Principles
- Algorithms and Complexity
- Formal Languages and Automata
- Machine Learning (currently taking)
- Robotics (currently taking)

INDEPENDENT LEARNING

I completed over 12 CS-related MOOCs, including:

- BerkeleyX's Agile Development Using Ruby on Rails
- MITX's The Analytics Edge (R)
- PennX's Software Development (Java)
- Andrew Ng's Machine Learning (Octave)
- Andrew Ng's Deep Neural Networks (Python)
- CaltechX's Machine Learning

OBJECTIVE

To obtain an internship in software engineering that will utilize my dedication to learning and building, and my motivated and organized approach to problem solving.

EXPERIENCE

Dumar International/Ballard Pacific *(2005-2011)*

- Hired for manual data entry, but built system to import and process purchase orders and invoices from Wal-mart, Toys R Us, and Target. Generated PDF forms and automated shipping label printing with APIs. Integrated with UPS and FedEx.
- Effectively eliminated processing bottleneck and allowed business to expand up to 3 times the shipments the following year.
- Coordinated with distributors, warehouse, transport, and buyers, to solve logistics problems.

PROJECTS

Hangman Web App *(8/2017-9/2017)*

- Built from start to finish using full stack technologies. Used Ruby and Sinatra back end, Javascript and AJAX, HTML/CSS.
- Designed with Photoshop and composed music.

MNIST Digit Recognizer *(7/2017)*

- Trained a deep neural network model using Python.

Sensor Data over Server *(6/2017)*

- Built client/server app with C to send IoT sensor data over TCP

ACTIVITIES

- Attended IDEAHacks 2018. Built binary clock with a Django/sqlite3 backend that signs into Google Calendar, pulls events, and alerts user. *(1/2018)*
- Member at Triangle engineering fraternity. *(6/2017)*
- Attended DataFest 2017. Developed a model and presented with a team. *(5/2017)*
- Attended regional ACM ICPC 2016 with Mount San Antonio College. *(11/2016)*
- Attended VEX U Worlds 2016 with Mount San Antonio College. Programmed robots that shot balls into a basket using PID control. *(4/2016)*