TINH NGUYEN

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EXPERIENCE

Meanwise   **Berkeley, CA**
Backend Engineering Intern   **May 2016 – August 2016**
- Designed and programmed REST API backend to serve iOS, Android, and web application. Responsibilities included designing data models, building appropriate RESTful routes, setting up authentication and protection, and programming recommendation and search functionalities.
- Programmed in Python using Elasticsearch and Django REST framework.

PROJECTS

ChatPolitics   **Berkeley, CA**
Independent Project, CalHacks 3.0   **November 2016**
- An application that allows users to anonymously converse one-on-one about politics and express grievances he or she may be experiencing in a particular state. Aimed to bridge the connection between divided parts of the country and open a safe space to chat.
- Deployed through Django, using django-channels for chatroom implementation.
- Censorship of hate speech and/or maleficent comments through sentiment analysis.

Neural Networks / Decision Trees   **Berkeley, CA**
Course Project, Machine Learning   **May 2013 – January 2014**
- Implemented neural network that trains via SGD using back propagation for gradient calculations.
- Designed a generalizable decision tree and random forest class capable of training a simple model given a data matrix and the list of continuous and categorical variables.

Intel Talent Search   **Pleasanton, CA**
Competition Entry, Speed Reader   **May 2013 – January 2014**
- Designed and programmed Speed Reader, a "chunking" algorithm devised to segment text into groups of words. In theory, quick highlighting of "chunks" would train users to read faster and with a higher retention rate.
- Word chunking algorithm implemented in Java partitioned text based on English clauses.

EDUCATION

University of California Berkeley   **Berkeley, CA**
Bachelor of Arts in Computer Science   **2014 –2018**
GPA: 3.55

Machine Learning (cs189)	Algorithms (cs170)
Artificial Intelligence (cs188)	Data Structures (cs61b)
Computer Architecture (cs61c)	Discrete Math and Probability (cs70)
Foundations of Data Science (data8)	Matrices and Graphs (stat89a)
Linear Algebra (math54)	SICP (cs61a)

Proficient in: Python, Java, JavaScript, SQL, Octave**,** R, HTML, CSS, LaTeX
Frameworks: Django (REST), Android, Node.js, Heroku
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