

Tinh Nguyen

1520 Brookline Loop, Pleasanton, CA 94566
www.tinhnguyen.me

c. (925)- 872-5877

tinh.t.nguyen@berkeley.edu

Education

University of California, Berkeley

Aug 2014 – May 2018

B.A., Computer Science

- GPA: 3.42
- Coursework: Software Engineering, Machine Learning, Artificial Intelligence, Algorithms, Databases, Tech Entrepreneurship, Computer Structures, Data Structures, SICP, FDS. Linear Algebra.

Experience

Swiftmotion – Backend Engineering Intern

Jan 2017 – May 2017

- Designed and implemented data storage solutions for IoT devices streaming data.
- Implemented REST API backend to serve web and Android applications.
- Programmed in Python using Django REST framework.

Meanwise – Backend Engineering Intern

May 2016 - August 2016

- Designed and programmed REST API backend to serve web and mobile applications
- Implemented backend services that would allow hiring companies to manage and search for ideal candidates based on personality and skills
- Programmed in Python using Elasticsearch and Django REST framework

Projects

ETF Meter and Portfolio Allocation

June 2017 - Present

- Robust linear regression to find stock performance metrics such as: return, risk, adjusted gain, gap
- Outputs a color coded excel file, to highlight trends and abnormalities to long-term investors, allowing them to pick more stable ETFs and find optimum portfolio allocation proportional to return/risk
- Deployed using Django, Postgres, AWS Elastic Beanstalk, Amazon S3 storage

Chat Politics – Cal Hacks 3.0

Nov 2016

- Developed a chatroom application that allows users to anonymously converse one-on-one about politics
- Deployed on Django, using Django-channels for chatroom

Neural Networks / Decision Trees

Nov 2016

- Implemented a Neural Network from scratch that trains via SGD/Batch using back propagation for gradient calculations
- Designed a generalizable decision tree and random forest capable of training a simple Model given a data matrix and list of continuous and categorical variables.

Languages Frameworks

- Python, Java, Ruby, C, HTML, CSS, Octave, R, SQL, Scheme, LaTeX
- Django, Rails, R Studio, Jupyter, Pandas, LaTeX, Sci-kit Learn, Matplotlib, jQuery

Hobbies

- Snowboarding, Scuba Diving, Videography, Fruit Carving,