

Tinh Nguyen

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- Education** University of California, Berkeley Aug 2014 - May 2018
B.A., Computer Science
- GPA: 3.55
 - Coursework: Software Engineering, Machine Learning, Artificial Intelligence, Algorithms, Databases, Tech Entrepreneurship, Data Structures, Structure and Interpretation of Computer Programs, Principles and Techniques in Data Science. Linear Algebra.

- Experience** Swiftmotion - Backend Engineering Intern January 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 Jan 2017 - May 2017
- Designed and programmed REST API backend to serve iOS, Android, and web applications.
 - Designed data models, built appropriate RESTful routes, user authentication, recommendation and search.
 - Programmed in Python using Elasticsearch and Django REST framework.

- Projects** ETF Meter and Portfolio Allocation - Independent Project 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 May 2013 - January 2014
- Built Neural Network that trains via SGD/Batch 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 list of continuous and categorical variables.

- Skills**
- Python, Java, Ruby, R, HTML, CSS, SQL, Scheme, LaTeX,
 - Django, Rails, R Studio, Jupyter, Seaborn, Pandas, LateX, Sci-kit Learn, Matplotlib.