Tinh Nguyen

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Education

University of California, Berkeley   Aug 204 - May 2018
- 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
- 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   Apr 2017
- 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 – Machine Learning Class Project   Apr 2017
- 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.