

Tinh Nguyen

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Education

University of California, Berkeley

Aug 2014 – exp. May 2018

B.A., Computer Science

- Coursework: Software Engineering, Deep/Machine Learning, Artificial Intelligence, Algorithms, Databases, Tech Entrepreneurship, Computer Security, Data Structures, Computer Graphics.

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

- Implemented Deep learning models trained to forecast long-term gain and risk for ETFs. Robust 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 Tensorflow, Keras, Django, Postgres, AWS Elastic Beanstalk, Amazon S3 storage

Accuweather Map App, Breathe California

Dec 2017

- Refactored existing data pipelines and backend controllers for a legacy SaaS project. Worked extensively on profile management and AJAX rendering.
- Our team of 6 followed the agile software development process for 8 weeks while working for Breathe California.

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

Languages Frameworks

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

Hobbies

- Snowboarding, Scuba Diving, Videography, Fruit Carving