Tinh Nguyen

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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**

- 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

Chat Politics – Cal Hacks 3.0   **Nov 2016**

- Developed a chatroom application that allows users toao 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.

Skills

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