San Jose, California
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Dat Thanh Nguyen

https://github.com/dat-ai
https://twitter.com/dat_ai_
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TECHNICAL SKILLS

- Programming languages: C++/C, Python, Java, MatLab
- Tools: TensorFlow, Keras, Robotic Operating System(ROS), OpenCV
- Others: Git/GitHub, Hardware Troubleshooting, basic UNIX Shell script

PROJECTS

Autonomous 1/10th Race Car *https://github.com/dat-ai/jetson-car* *C++/C/Python/ROS*

- Implemented a steering model to race in a small track using Deep Net and ROS as an interface.
- Joined DIYRoboCar group to compete and learn from other enthusiasts.

Traffic Sign Classifier *https://github.com/dat-ai/traffic-sign-classifier* *Python/TensorFlow*

- Achieved 97.83% Accuracy on Germany Traffic Sign Test Dataset.
- Architected a custom Convolution Neural Network inspired by VGG-16 CNN.

Behavioral Cloning *https://github.com/dat-ai/behavioral-cloning* *Python/Keras*

- Built a steering model to mimic my driving behavior.
- Trained the car to drive successfully in a simulator.

WORK EXPERIENCES

NSF Researcher **North Carolina A&T State University** Greensboro, NC | May 2016 – September 2016

- REU Program: Engineering Modeling and Computation Research
- Implemented Thermography Signal Reconstruction Algorithm to improve IR image quality.

IT Support Analyst **Genomic Health Inc.** Redwood city, CA | May 2014 – September 2015

- Troubleshot IT hardware/software problems.
- Solved emergency IT-related problems and assisted employees on technical issues.

Lab Technician Assistant **CompTechS Laboratory** Cupertino, CA | January 2014 – May 2014

- Recycled hundreds of old computers/laptops to donate to low-income students.
- Learned standard procedures in Laboratory Environment.

EDUCATION

Self-Driving Car Engineer Nanodegree **Udacity.com** November 2016 - Current

- Learned about Deep Learning and Computer Vision.
- Studying Core Robotic Functions for autonomous vehicle system.

De Anza College **Computer Engineering, B.S.** Fall 2013 – Current

- Relevant Coursework:

Advanced C++ Programming	A+	Introduction to x86 Assembly Programming	A-
Introduction to UNIX/LINUX programming	A	Data Structures in C++	A

Self-taught Online Courses:

CS231N Convolutional Neural Networks for Visual Recognition	MIT6.S094 Deep Learning for Self-Driving Cars

EXTRA-CURRICULAR ACTIVITIES

Private Math Tutor September 2016 – Current

- Helped freshman understand core concepts in Algebra and Calculus.

Teaching Assistance Volunteer September 2016 – Current

- Helped new Computer Science students familiar with programming in C++.