

Quang Duong

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EDUCATION

The University of Texas at Austin

Expected Graduation: May 2019

- Bachelor of Science in Computer Science
- Bachelor of Science in Mathematics
- Major GPA: 4.0 | Overall GPA: 3.9690
- Turing Scholar Honors Program
- Part of the Freshman Research Initiative
 - Computational Intelligence Stream

Relevant Coursework

- Discrete Math, Data Structures, Computer Architecture, Linear Algebra, Vector Calculus, Differential Equations

Current Coursework

- Operating Systems, Programming Languages, Real Analysis

SKILLS

Programming

- Proficient in Java, Python
- Familiar with C/C++, Unix Systems
- Exposed to HTML/CSS, Javascript, jQuery, MATLAB/Octave

Other Skills

- Proficient in Vietnamese

PERSONAL PROJECTS

CPPN-NEAT (Python)

- Implemented variant of NEAT algorithm for evolving neural network topologies, modified to accommodate CPPNs
- Used to approximate functions and 3D models

Turbulent Giggle (Java)

- Used Thalmic Labs' Myo Armband for gesture controlled Tetris
- Won 3rd Place in National Instruments Rapid Prototyping Competition at HackTX 2015

Eval (C++)

- Parses and evaluates simple mathematical equations with recursive descent parsing
- Supports variables and basic functions

EXPERIENCE

FRI Research Fellowship

June 2016 – Present

- Utilized recent innovations in reinforcement learning and genetic algorithms to approximate 3D models
- Created technical reports and emphasized data collection and reproducible results during implementation

ACTIVITIES

Undergraduate Machine Learning (UML)

November 2015 – Present

- Foster ability in machine learning topics ranging from supervised to reinforcement learning
- Attend workshops to develop and hone skill while discussing recent advances

Electronic Game Developer Society (EGaDS)

August 2015 – Present

- Polish and obtain game development and teamwork skills
- Accumulate experience and build portfolio with locally hosted game jams

COMMUNITY INVOLVEMENT

Tu Bi Foundation

2011 – Present

- Raise over \$2000 biannually for education and housing in rural Vietnam

Houston Food Bank

Summer 2014

- Package food and essentials for distribution to local hunger relief charities