

# 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
- **Turing Scholar Honors Program**

### Courses Enrolled

- Discrete Mathematics (Honors)
- Data Structures (Honors)

## SKILLS

### Programming

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

### Other Skills

- Proficient in Vietnamese

## PERSONAL PROJECTS

### Neural Network

- Feeds forward inputs and backpropagates given a set of expected outputs

### Eval

- Parses and evaluates simple mathematical equations via reverse polish notation
- Supports variables and basic functions

### Path Finding

- Supports hexagon and standard Cartesian grids
- Implements A\*, and the Cartesian grid has Jump Point Search optimization

## ACTIVITIES

### Information and Systems Security Society (ISSS)

August 2015 – Present

- Foster ability in cybersecurity, cryptography, and other fields in information security
- Attend workshops to test skills and knowledge learned

### 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

### Association for Computing Machinery (ACM)

August 2015 – Present

- Develop interview ability and algorithmic thinking in a community of peers
- Participate in competitive programming workshops and competitions

### Microsoft College Code Competition

September 2015

- Placed 4<sup>th</sup> in a timed competition for all skill levels
- Worked in a three person team to complete various programming tasks

## COMMUNITY INVOLVEMENT

### Tu Bi Foundation

2011 – Present

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

### Houston Food Bank

Summer 2014