

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**
- Part of the Freshman Research Initiative

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

jSenpai (Java)

- Java library implementing neural networks and backpropagation
- Used to reconstruct logic gates (XOR, AND, OR, NOT)

Eval (Java)

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

Path Finding (Java)

- Uses A* optimized by Jump Point Search
- Searches for the shortest path twice as fast as a regular A* implementation

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 4th 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

- Package food and essentials for distribution to hungry relief charities