

Hai Duong

Seattle, WA
☎ (210) 551-3488
✉ [haiduong \[at\] gatech.edu](mailto:haiduong[at]gatech.edu)
🌐 www.haiduong.me

Work Experience

- Summer 2013 – **Software Development Engineer II**, Amazon, Seattle, WA.
Present
○ Build and maintain different components of a highly scalable system that processes Amazon’s business transactions for generating periodic financial reports
- Summer 2012 – **Information Services Intern**, Valero Energy, San Antonio, TX.
Spring 2013
○ Built scripts to facilitate remote network administration
○ Migrated Valero’s private IP address pool to a database for easier management
○ Performed remote site upgrades, changes and closings
- Fall 2012 **Teaching Assistant & Peer Mentor**, Trinity University, San Antonio, TX.
○ Assisted 3 groups of students in implementing different mathematical models using Maple, MATLAB and Python
○ Taught a weekly session on imperative programming and numerical analysis
- Fall 2009 – **Undergraduate Work**, Trinity University, San Antonio, TX.
Spring 2013
○ Applications developed during undergraduate career include: a single-cycle MIPS emulator (in Python); a static routing simulator (in Scheme); a 2D game (in Java); and a set of tools for numerical analysis (in Python).

Education

- Fall 2014 – **M.S.**, Georgia Institute of Technology, Atlanta, GA, GPA: 4.0/4.0.
Present
Computer Science, Machine Learning
Relevant Coursework: Advanced Operating Systems, Computer Vision, Algorithms & Complexity, Machine Learning, Machine Learning for Trading, Reinforcement Learning
- Fall 2009 – **B.S.**, Trinity University, San Antonio, TX, GPA: 3.8/4.0.
Spring 2013
Magna Cum Laude, Computer Science (Honors), Economics, Mathematics (Minor)
Relevant Coursework: Operating Systems, Algorithms, Computer Architecture, Functional Programming, Numerical Calculus, Probability, Statistics, Econometrics

Technical Skills

Proficient	C, Java	Good	Python, Scala, \LaTeX
Environments	Eclipse	Platforms	Windows, Linux

Awards and Achievements

- Spring 2013 **Charles Babbage & Ada Lovelace Distinguished Computing Award**, Trinity University, San Antonio, TX.
Awarded to a senior who achieved the best performance in the study of CS
- Spring 2010 – **Dean’s List**, Trinity University, San Antonio, TX.
Spring 2013
Awarded to students with a semester GPA over 3.65
- Fall 2009 – **International Student Scholarship**, Trinity University, San Antonio, TX.
Spring 2013
Awarded to outstanding foreign students

Publications

- [1] Sara Y Cheng, Hai V Duong, Campbell Compton, Mark W Vaughn, Hoa Nguyen, and Kwan H Cheng. Characterization of 3D Voronoi tessellation nearest neighbor lipid shells provides atomistic lipid disruption profile of protein containing lipid membranes. *Biophysical Chemistry*, 198:22–35, 2015.