# Hieu Le

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## EDUCATION

### TRUMAN STATE UNIVERSITY
B.Sc. in Computer Science
B.A. in Mathematics
President's Honorary Scholar
President's List (all semesters)
Expected May 2018 | Kirksville, MO
Cum. GPA: 4.0/4.0

### ACS (INDEPENDENT)
International Baccalaureate
A*STAR Outstanding Scholar
Dean's List (3 subjects)
Graduated Dec 2012 | Singapore
IBDP Score: 44/45

## SKILLS

### LANGUAGES
Proficient:
C++ • Java• Python
Familiar:
C • Bash • Haskell • Ada • JavaScript/ CSS/ HTML • LaTeX•MySQL

### TECHNOLOGIES
Django • Union • Git • Apache Tika

### OPERATING SYSTEMS
Linux • Mac OS • MS Windows

## COURSEWORK

### UNDERGRADUATE
Compilers
Database Systems
Data Structures and Algorithms
Parallel and Distributed Processing
Computer Architecture
Systems Programming
Discrete Mathematics
Theory of Numbers
Linear Algebra
Algebraic Structures
Multivariate Calculus

### MOOC
The Data Scientist's Toolbox | Coursera
Automata | Coursera
Web Developer Skills | Codecademy
Digital Circuits | edX
Computation Structures | edX

## EXPERIENCE

### GOOGLE | Engineering Practicum Intern
May 2016 – Present | Mountain View, CA
- First Truman State University student to intern at Google.
- 300 out of 20,000 applicants chosen for Engineering Practicum program.
- Implemented type schema support for Union, Google's largest distributed data-processing system, responsible for building web search index.
- Performed weekly code reviews and unit, integration and functional tests.

### FPT TELECOM | Software Engineering Intern
May 2015 – Aug 2015 | Hanoi, Vietnam
- Designed recursive directory crawler to identify unencrypted credit card data from various bank systems based on Perl-compatible regular expressions.
- Implemented parsing scheme capable of extracting raw text and metadata from over 100 file extensions to accelerate regex pattern matching.

### CENTER OF ACADEMIC EXCELLENCE | Programming Tutor
Aug 2015 – May 2016 | Kirksville, MO
- Provided assistance for over 30 students in Java/ C++ programming.
- Designed a tutor scheduling application for Mathematics department based on network flow maximization and simulated annealing.

## PROJECTS

### CONTEST WIZARD | C++ • Python • Google File I/O
Designed a command line tool that allows competitive programmers to extract problems from various online judges, automate bulk tests, customize solution templates, manage and archive source codes.

### TRU LIBRE | jQuery • Bootstrap • Django • SQLite
Prototyped a web application that allows Truman students to purchase and sell textbooks. Features include client-side credential verification, customized book search and secure transactions by integrating MasterCard API.

## AWARDS

| | | |
|---|---|---|
| 2016 | Top 5 Percent | Google Code Jam |
| 2016 | Runner-up | Truman ACM Hackathon |
| 2015 | Bronze Medal | ACM International Collegiate Programming Contest |
| 2015 | Winner | Truman ACM Coding Competition |
| 2015 | First Place | booking.com Hackathon |
| 2015 | Semi Finalist | Hackerrank University World Cup |
| 2015 | School Winner | Putnam Mathematical Competition |
| 2015 | Third Place | Missouri Collegiate Mathematics Competition |
| 2013 | Top 25 | Harvard - MIT Mathematics Tournament |

## SCHOLARSHIPS

| | |
|---|---|
| 2016 | Cody Sumter Computer Science Scholarship |
| 2014 | International Baccalaureate Scholarship |