

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