Hieu Le

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EDUCATION

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

ACS (INDEPENDENT)
IB Diploma Programme
A*STAR Outstanding Scholar
Dean's List (3 subjects)
Graduated Dec 2013 | Singapore
IBDP Score: 44/45

SOCIETIES
Association of Computing Machinery
Truman State Free Software Club
Truman State Arduino Club
Kappa Epsilon Mu

SKILLS

LANGUAGES
Core:
Java • Python • C++
Familiar:
C • JavaScript/ CSS/ HTML • LaTeX• SQL
Bash • Ada • Haskell • Mathematica

TECHNOLOGIES
Git • Subversion • GDB/ LLDB • Emacs
Bazel • Protocol Buffers • Python Django
Spring MVC • Maven

COURSEWORK

UNDERGRADUATE
Compilers
Data Structures and Algorithms
Parallel and Distributed Processing
Automata Theory and Formal Language
Computer Architecture
Systems Programming
Discrete Mathematics
Theory of Numbers
Linear Algebra
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 – Aug 2016 | Mountain View, CA

- Implemented type schema support for one of Google's largest distributed data processing systems. Enabled 3 internal debugging tools to parse and deduce type for arbitrary protocol buffers. Introduced smarter SQL-based repository filtering logic with improved flexibility and type safety.
- Contributed 3000 lines of C++ to Google codebase. Released features for production use by over 100 Google employees. Refactored and increased test coverage for existing modules via extensive benchmarking, unit and load tests.

FPT TELECOM | Software Engineer Intern
May 2015 – Aug 2015 | Hanoi, Vietnam

- Designed data loss prevention tool that identifies sensitive data at rest from bank servers. Integrated Perl-compatible regular expressions and Luhn algorithm to expedite detection and validation of unencrypted credit card data.
- Created text parser capable of extracting raw content and metadata from over 50 file extensions to accelerate PCREs-based pattern matching.

SMACS PROGRAM | Academic Tutor
Aug 2015 – May 2016 | Kirksville, MO

- Offered individualized tutoring in Linear Algebra, Calculus and Data Structures.
- Recruited, coached and prepared problem sets for Truman's ICPC team.
- Designed a tutor scheduling application in Python for Mathematics department that leverages network flow maximization and simulated annealing.

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
2016	Distinction	The Mathematical Contest in Modeling
2015	School Winner	Putnam Mathematical Competition
2015	Third Place	Missouri Collegiate Mathematics Competition
2013	Top 25	Harvard - MIT Mathematics Tournament

PROJECTS

CONTEST WIZARD | C++ • Python • Protocol Buffers
Command-line utility that allows competitive programmers to crawl problems from various online judges, automate bulk tests, customize solution templates, manage, archive and submit C/C++ source codes.

SMART GREP | Java • Python
Command-line utility that leverages traditional Unix grep command to allow regex matching over a wider range of document formats beyond plain text.

SCHOLARSHIPS

2016 Cody Sumter Computer Science Scholarship (1 of 4 recipients)
2016 President's Honorary Scholarship (first international recipient)
2014 International Baccalaureate Scholarship