

Nhan Cao

(+1) 812-604-6837 ♦ nhancao0903@gmail.com ♦ github.com/duynhan39 ♦ linkedin.com/in/nhan-cao/

EDUCATION

B.S. Computer Science Expected May 2020
UNIVERSITY OF EVANSVILLE Evansville, IN **GPA 3.81**

TECHNICAL SKILLS

C/C++	Python	Swift	Git Version Control	Object Oriented Design
Java	Ruby	UNIX	Agile Development	iOS Development

RELEVANT COURSEWORK

Object Oriented Design	Algorithms and Data Structures	UNIX System	Database
Formal Languages	Software Engineering	Cryptography	Programming Languages

PROGRAMMING & SOFTWARE DEVELOPMENT EXPERIENCE

OneMain Financial Evansville, IN

Software Engineer Intern

August 2018-Present

- Solved inefficiencies, system malfunctions and upgrades using *Assembler* and *JCL*
- Quickly learned and applied test development process, such as: documentation, debugging and problem solving
- Ensured the system's coherence by collaborating with other team members, teams, and departments: implemented a new interest table for the States of Tennessee, Wisconsin and Missouri

University of Evansville - Cognitive Science Department Evansville, IN

Remodeling Kallipolis Software Engineer Intern

Fall 2018-Present

- Translated Plato's concept of ideal justice and the perfect society into a computable agent-based system using NetLogo in collaboration with the philosopher interns
- Questioned the definition of justice itself, formed the concept of an ideal city, and designed the means to achieve the desired state

ENGINEERING PROJECTS

- Developed *Carrot*, a social network iOS application for outdoor activities that integrate SnapKit and MapBox during Pickhacks 2019
- Used Ruby on Rails and Agile planning to develop *Athletic Training Data Acquisition and Analysis*, a survey system for UE's athletic department that sends daily reminders to athletes based on their schedules
- Created original UNIX game *Dodge* with C++, featuring graphics, database, leaderboard, and player modes

COMPETITIONS

ACM-ICPC Mid-Central Programming Contest

Fall 2018

- Placed 4th in University of Louisville site in solving complex Data Structure and Algorithm challenges

Vietnam's National Physics Olympiad Competition

January 2016

- Placed 2nd in national competition in solving advanced comprehensive physics problems
- Exempted from high school national graduation exam, and granted to enroll in any University in Vietnam

LEADERSHIP

2018-2019 Officer ACM

(members: 26)

Fall 2016-Present

- Hosted programming contest for high school students and presentations about Computer Science in learning as well as working experience

Fundraising Committee Manager New Year's Eve for S.O.S. Village (volunteers: 23 | orphans: 76) Spring 2015

- Raised community awareness and provided the S.O.S Village orphans with financial and emotional support
- Redesigned and dramatically improved fundraising strategy which acquired three times target budget