

# Nhan Cao

(+1) 812-604-6837 ♦ nhancao0903@gmail.com ♦ github.com/duynhan39 ♦ duynhan39.github.io

---

## 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	Agile Development
Java	UNIX	iOS Development	Object Oriented Design	

## RELEVANT COURSEWORK

Object Oriented Design	Algorithms and Data Structures	Database	Cryptography
Operating Systems	Software Engineering	Formal Languages	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
- Developed effective reading and maintaining documentation skills

**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

## COMPETITIONS

**Pick Hacks – MLH Hackathon**

Spring 2019

- Developed *Carrot*, a social iOS application for outdoor activities that integrate UIKit, SnapKit, and MapBox

**ACM-ICPC Mid-Central Programming Contest**

Fall 2018

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

**Vietnam's National Physics Olympiad Competition**

January 2016

- Placed 2<sup>nd</sup> 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

## ENGINEERING PROJECTS

- Developed *Athletic Training Data Acquisition and Analysis*, a survey system for UE's athletic department that sends daily reminders to athletes based on their schedules using Ruby on Rails and Agile planning
- Created original UNIX game *Dodge* with C++, featuring graphics, database, leaderboard, and player modes

## 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