

# Huy N. Vuong

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## EDUCATION

### University of Nebraska - Lincoln

Bachelors of Science in Computer Science; GPA: 3.4/4.0

Lincoln, NE

Expected May 2021

**Relevant Coursework:** Machine Learning, Software Engineering, Programming Language Concepts, Data Structure and Algorithms, Object Oriented Programming, Linear Algebra

## SKILLS

- **Languages:** Python, Java, JavaScript, TypeScript, HTML, CSS, C, C++,  $\text{\LaTeX}$
- **Technologies:** Spring, Angular, NodeJS, Maven, Git, JIRA, Confluence
- **Libraries:** Lombok, Spring, Selenium, HttpClient, tkinter, Google API, CypressJS

## EXPERIENCE

### Werner Enterprises

Information Technology - Fullstack Developer Intern

Omaha, NE

May 2019 - Present

- **Intermodal Management Dashboard:** Designed a Fullstack web application that manages Werner's Intermodal ITS, Logistic data and Business data
  - \* Use Spring boot with Maven for processing data, creating and handling OAuth2.0 authentication and managing REST endpoint
  - \* Use Angular to fetch data from REST endpoint and present in a beautiful format using Typescript and Ngx Bootstraps
- **Agile Software Development - Scrum Team:** Working in teams developing Intermodal software, as well as fixing new and existing software issues.
- Getting a well rounded understanding of the transportation/ trucking industry as well as different departments in Werner Enterprises

### Helikar Lab

Software Developer - Student Worker

Lincoln, NE

Jan 2019 - May 2019

- **Internationalization:** Wrote a script in Python that translate different languages depend on user's language preferences.
- **Automation:** Created different script using YAML to automate tedious tasks such as update dependencies, detect on changes, merging git branches, avoiding human errors
- Wrote 1000+ lines of code in Javascript perform Behavioral Development Testing for the website

### Dept. of Computer Science and Engineering

Undergraduate Teaching Assistant

Lincoln, NE

August 2018 - May 2019

- Assisted in Computer Science I, II, III
- Responsible in Grading, Supervising Labs, Holding office hours
- Held regular meeting with student making sure that they are doing well in class

### University of Nebraska - Lincoln

Information Technology Service - Student Worker

Lincoln, NE

May 2018 - August 2018

- Provided general university information and technical support
- Troubleshooted university accounts and technical problems
- Directed switchboard call around university

## PROJECTS

- **City Traffic Simulation:** Realtime simulation of traffic in a city
  - Used Python tkinter as a framework to create a desktop application and generating graphics
  - Applied Waterfall model strategy to develop the Software which includes: Requirements, Analysis, Design, Implementation, Testing and Maintenance
  - Implemented Breath First Search to help a car determine shortest paths to it's destination
- **UNL Surveillance System:** An application help detects violence around campus using machine learning
- **Invoice Report System:** Newly implemented report system that replaces old green screen
  - Applied Object Oriented Programming to help describe different type of customers, products... programmatically
  - Created database and optimize SQL queries to organizes tables and store data
  - Created persistence API to maintain the program and display data from database

## ORGANIZATIONS

- VSA - Vietnamese Student Organization: August 2017 - Present
- Member of Coding & Coffee and UNL Development Team: August 2018 - May 2019