Huy N. Vuong

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EDUCATION

University of Nebraska - Lincoln   Lincoln, NE
Bachelors of Science in Computer Science; GPA: 3.4/4.0   *Expected May 2021*
Relevant Coursework: Senior Design Studio, Machine Learning, Software Engineering, Programming Language Concepts, Data Structure and Algorithms, Object Oriented Programming, Linear Algebra

SKILLS

- **Languages**: Python, TypeScript, Java, JavaScript, HTML, Sass, Golang, C, C++, LaTeX
- **Technologies**: Spring, Angular, React, NodeJS, Maven, Git, JIRA, Confluence, Zenhub
- **Libraries**: Lombok, Spring, Selenium, HttpClient, tkinter, Google API, Cypress

EXPERIENCE

Werner Enterprises   Omaha, NE
Technical Intern   *Sep 2019 - Present*
- Working in Scrum Team in solving and handling different stories during each sprint
- Helping in develop an internal web application that uses by hundreds of employee
- Learning about the business and apply them to the software to create better and easier user experience

DMSi Software   Lincoln, NE
Design Studio Associate Developer - Capstone Program   *Sep 2019 - Present*
- Working with teams designing a full stack internal web application for door configuration
- Using different Golang libraries to implement dynamic image generations for each door parts and React to present them in a configuration dashboard
- Code review with peers for each pull request to avoid and bugs and conflicts
- Learn about doors and the industry to optimize user expereience

Werner Enterprises   Omaha, NE
IT Intern   *May 2019 - Aug 2019*
- **Intermodal Management Dashboard**: Designed a Fullstack internal web application that manages Werner's Intermodal ITS, Logistic data and Business data
    * Use Spring boot with Maven for processing data, creating and handling Open Authentication and managing REST endpoint
    * Use Angular to fetch data from REST endpoint and present in a beautiful format using Typescript and Ngx Bootstraps
- Getting a well rounded understanding of the transportation/ trucking industry as well as different departments in Werner Enterprises

Helikar Lab   Lincoln, NE
Software Developer - Student Worker   *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   Lincoln, NE
Undergraduate Teaching Assitant   *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

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