

# THU VO

+1 (360) 473 7534 ✦ tv2842@truman.edu

<https://thuvo22.github.io/>

## EDUCATION

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**Truman State University, Kirksville, MO**

**August 2017 - May 2021**

Bachelor of Science in Computer Science

GPA: 3.34

- Competitive Transfer Scholarship
- Foundation Scholarship for Computer Science Students

### Relevant coursework

- Computer Science Foundations I & II (Ada/Java)
- Object-Oriented Programming and Design (Java)
- Computing Structures
- Systems Programming (C/C++)

## TECHNICAL SKILLS

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**Languages:** • Proficient: Java, Python, JavaScript, HTML, CSS. • Familiar: C/C++, Ada, SQL.

**Development tools:** Eclipse, Visual Studio, Android Studio, MySQL Workbench, Git.

**Frameworks/ Platforms:** Spring Boot, Hibernate, Apache Tomcat, Maven, jQuery/Twitter Bootstrap.

**Database:** Microsoft SQL Server, MySQL.

## RELEVANT WORK EXPERIENCE

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**FPT Software - Software Engineering Intern**

**May 2018 - Aug 2018**

**Ho Chi Minh City, Vietnam**

- Completed front-end of the compiler for Java, C#, C/C++ programming languages that support direct-coded scanning, recursive-descent parsing, syntax analysis and Coding Convention checker based on Oracle, Google and Microsoft standards.
- Completed projects along with the team that applied Spring technologies, Tin Can API, Bootstrap, jQuery, AJAX and three-tier architecture.
- Contributed more than 2000 lines of Java to FPT Software codebase. Released and updated new features for a training Web App used by over 500 FPT employees.

## SIDE-PROJECTS

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### Library Management (Java, SQL, Spring boot, Hibernate)

- A Library Management system that performs CRUD operations, is used for the admins to keep track and update their books. Integrated Hibernate mapping with Spring Boot and applied the pagination mechanism in Hibernate.

### Two String Sum (Java, JavaScript, Spring boot, Thymeleaf)

- Web App teaches students to learn the steps to plus two large numbers without using the calculator (reduced algorithm complexity from  $O(n)^2$  to  $O(n)$ ). Integrated AJAX for asynchronous server calls and set the Session Tracking mechanism to originate requests from the same browser.

### Geocoder (Python, JavaScript, Flask application, Pandas)

- Web App that transforms a 'xsl' extension file with an address attribute, then displays the table with latitude and longitude and lets the user download the modified file.

## ACTIVITIES

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- A co-founder of SFL (Smile For Life), a non-profit organization in Vietnam; Raised over \$5000 to provide food, clothes and medicine for more than 500 blind people and orphans.
- Volunteered to build a robot and demonstrated the programming basics to more than 400 junior high school students.
- An active member of ACM and TruWoman (Woman in Computer Science) in Truman State University.

## SOURCE CODE

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- All the listed and more side-projects are open-source and can be found on <https://github.com/ThuVo22/>