

# Luong Tran

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## EDUCATION

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**Hope College**, Holland, MI, USA

Graduation Year: May 2024

- Bachelor of Science in Computer Science
- GPA: 3.5
- *Relevant Coursework*: Database Systems, Mastering Git, Application Programming

## TECHNICAL SKILLS

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- *Programming Languages*: Python, Java, SQL, JavaScript
- *Tools & Frameworks*: Spring Boot, NodeJS, Git, Firebase, AWS S3, ReactJS, Flutter, Cursor
- *Skills*: Test-driven development, SQL database proficiency, REST API design, Server/Client-side application development

## WORK EXPERIENCE

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**Center For Leadership**, Hope College, Holland, MI

September 2023 - May 2024

*Student Consultant for IKUS - Indian Trail Camp*

- Streamlined HR administration by creating a Google Site housing comprehensive orientation paperwork, combining Google Forms and fillable document extensions
- Implemented Google Locker Studio integration to present applicant data in a user-friendly interface, allowing easy management and access to information for over 50 students, previously handling 700+ forms.

*Student Consultant for Mosaic Counseling*

- Initiated client consultations to assess scheduling challenges, gaining insight into their needs
- Conducted in-depth research and analysis of scheduling tools and security services to propose a 24/7 accessible solution
- Developed a detailed documentation process, outlining the workflow before and after new solution implementation, ensuring transparency and clarity in the project

## PROJECTS EXPERIENCE

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**Senior Capstone**, Hope College, Holland, MI

January 2024 - May 2024

*Fullstack Developer*

- Led Spring Boot API development for CRUD operations, ensuring efficient data management
- Contributed to 80% of test coverage through automated testing and provided documentation on database usage
- Designed MySQL schema and implemented ORM with JPA/Hibernate to manage relationships between professors, students, classes, and attendance records
- Implemented frontend features using Flutter, enabling features like class creation and attendance history tracking

## RESEARCH EXPERIENCE

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**Hope Software Institute**, Hope College, Holland, MI

May 2022 - September 2022

*Student Assistant*

- Parsed CSV data pulled from an API and filtered key metadata fields (e.g., location, photo, DOB)
- Devised an efficient data retrieval solution by implementing AWS S3 storage, resulting in successful data access for 5000+ alumni profiles on the Boerigter App
- Ensured stable integration of new data format with minimal disruption to current app features

*Research Assistant*

- Collaborated in a three-student team led by Dr. Mike Jippings to develop an interactive web app for the Education Department, replacing traditional boards with a digital display of student info, job placements, and department details
- Implemented AGILE software development environment, facilitating bi-weekly development cycles for requirements, solution discussions, coding, and client presentations, ensuring on-time project delivery
- Designed and created customized input forms with validation checks, utilizing ReactJS and Firebase backend service