

# Courtney Thang

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## Education

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**Michigan State University**, Bachelors of Science in Computer Science Aug 2019 – April 2024

- GPA: 3.6/4.0
- **Coursework:** Database Systems, Algorithm Engineering, Cloud Computing, Software Engineering, Web Application Architecture and Development, Software Design, Algorithms and Data Structures

## Skills

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**Languages:** Python, C++, Java, PHP, Groovy, SQL, JavaScript, HTML, CSS, TypeScript

**Tools/Technologies:** React, Laravel, Flask, Git, Node.js, Cypress, Jest, Redux, Docker, OpenShift, MySQL, GitHub

## Experience

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**Associate Software Developer 2**, Auto Owners Insurance – Lansing, MI Aug 2023 – Current

- Modernized customer facing web application to React <https://www.auto-owners.com>
- Developed and integrated new API endpoints intended for native mobile apps and web apps to share for customer and policy retrieval
- Contributed to the development of agent facing and customer facing Life Insurance web applications for disability income
- Developed unit tests for business logic functionality of backend applications
- Established automated weekly front-end testing with Cypress

**Software Developer Intern**, Auto Owners Insurance – Lansing, MI May 2023 – Aug 2023

- Developed a mock banking application in Java that managed savings, checking, and loan accounts
- Constructed a mock insurance web application determining insurance costs and quotes
- Implemented a Java batch application that retrieved insurance data through csv's then processed and converted that data to a readable receipt format

**Teaching Assistant**, Girls Who Code – Remote June 2022 – Aug 2022

- Instructed web development classes consisting of 50-65 high school students for the Summer Immersion Program
- Developed lesson plans and projects in HTML, CSS, and JavaScript

## Projects

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**Chat App** | <https://github.com/courtneythang/chat-app>

- Designed and built a full stack messaging web application
- Tools Used: React, JavaScript, TailwindCSS, DaisyUI, Node.js, MongoDB, ExpressJS

**DigiBooth** | [github.com/courtneythang/digiboosth](https://github.com/courtneythang/digiboosth)

- Developed a digital photobooth web application
- Tools Used: React, CSS, HTML, Node.js, Git Pages

**Playbill Builder**

- Designed and engineered a graphic design web application similar to Canva and Photoshop for the company Ludus
- Implemented the ability to create interactive digital playbills to remove excess printing and reduce cost and paper waste
- Integrated the ability to deploy playbills to a server allowing patrons to access playbills via qr code on mobile devices
- Tools Used: PHP, Laravel, HTML, CSS, JavaScript, Grapes.js, MySQL, Docker