

# KARSEN HANSEN

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## SUMMARY

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Passionate and self-motivated Computer Science graduate from *Gonzaga University* with a devotion to full-stack web development and consistent self-growth, possessing 3+ years of experience leading and/or collaborating cross-functionally to successfully accomplish various development goals in a timely and skillful manner, excelling at communication, organization, leadership, and accountability.

## TECHNICAL SKILLS

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JavaScript  
TypeScript  
HTML/CSS

Python  
Git/GitHub  
SQL/NoSQL

Node.js  
Express.js  
MongoDb

Docker  
Heroku  
RESTful APIs

## EDUCATION

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**Gonzaga University**

**Spokane, WA**

*Bachelor of Arts in Computer Science, minor in Economics (2021)*

*GPA: 3.8*

## PROJECTS

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### 2021 • Senior Capstone Project – *BOEING-360*

- Built a full-stack (MERN) web application for BOEING consisting of a 360° navigable live stream, live map feed, and a dynamically populating list of interactive points of interest based on an airplane's current position and dynamic radius
- Built a video capture device capable of live streaming in 360x220 degree, 4K, high-dynamic range over secure LAN within a formatted navigable view, using NVIDIA's Jetson Nano (4GB) microcomputer along with a custom camera component
- Led a team of four within an Agile SCRUM environment by establishing collaboration spaces, automating workflows using Kanban & custom bots, as well as organizing, clarifying, and delegating Sprint deliverables reviewed by BOEING on a bi-weekly basis over a 20-week period

### 2021 • Research and Design – *Comprehensive MERN Development*

- Created a fully fledged user authentication dashboard encompassing RESTful APIs, MongoDB, Express.js and Node.js in an effort to templatize a secure user authentication process using industry standard frameworks, libraries and APIs
- Used JSON web tokens (JWTs) along with sessions and cookies to create a user authentication experience; applied Twilio, NodeMailer, Redux, in addition to GitHub and Google APIs for added API experience. Version controlled source code on GitHub

## EXPERIENCE

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**2013 – 2014**

**Vroom**

**Grand Prairie, TX**

*Founding Member and Website Developer*

- Served on the initial team of 12 at the e-commerce car retailer formerly known as AutoAmerica, with responsibility for developing the company's web presence including primitive layouts, wireframing, vehicle listings components, financing tools, and digital media using HTML, CSS, and JavaScript
- Independently liaised with retail and internet sales teams to streamline the sales process through the creation of information forms and validations; conducted customer service and de-escalations on an as needed basis