KARSEN HANSEN

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SUMMARY

Computer Science graduate of *Gonzaga University* possessing 3+ years of experience with OOP and leading and/or collaborating cross-functionally to successfully accomplish various development goals, excelling at communication, organization, leadership, and adaptability.

TECHNICAL SKILLS

JavaScript/JSX	*Python*	*Node.js*	*Docker*
TypeScript	*Git/GitHub*	*Express.js*	*Heroku*
HTML/CSS	*SQL/NoSQL*	*MongoDB*	*RESTful APIs*

EDUCATION

Gonzaga University   **Spokane, WA**

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

PROJECTS

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
- Collaborated with a team of four within an Agile SCRUM environment by establishing work 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 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 custom user authentication process in Node, applying Twilio, NodeMailer, along with several other APIs for experience

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EXPERIENCE

2013 – 2014   **Vroom**   **Grand Prairie, TX**

Web Developer and Founding Member   *Reference – Kevin Westfall (Founder/Board member)*

- 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 wireframing, primitive layouts, vehicle listings components, financing tools, and digital media using HTML, CSS, and JavaScript