

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

<i>TypeScript</i>	<i>Python</i>	<i>Redux</i>	<i>Docker</i>
<i>HTML CSS</i>	<i>Git GitHub</i>	<i>Node.js</i>	<i>Heroku</i>
<i>JavaScript JSX JQuery</i>	<i>SQL NoSQL</i>	<i>Express.js</i>	<i>RESTful APIs</i>

EDUCATION

Gonzaga University

Spokane, WA

Bachelor of Arts in Computer Science, minor in Economics – Academic Honors

2021

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 dynamic list of interactive points of interest based on an airplane's current position and dynamic radius
- Built a custom video capture device using NVIDIA's Jetson Nano (4GB) and a PiCam, capable of live streaming in 360-degree, 4K HDR over secure LAN within a formatted navigable view
- Collaborated with a team of four within an Agile SCRUM environment by establishing workspaces, automating workflows using Kanban & custom Discord 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 user authentication and profile dashboard encompassing RESTful APIs, MongoDB, Express.js and Node.js to templatize a secure user creation process from scratch, using industry standard tools
- Used JSON web tokens along with sessions and cookies to create a custom user authentication process in Node, applying Twilio, NodeMailer, along with several other APIs and remote hosting via Heroku for additional experience

2020 • Gonzaga University Computer Science Community

- Worked with two friends to create a professional Discord Server with over 200 active members (and growing) including faculty and TA's, along with several custom bots to streamline processes for sharing knowledge, information, and aid within the boundaries of university policies, ultimately helping students achieve an enriching and successful educational experience

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