

Simon Bontempo

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PORTFOLIO

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PROFESSIONAL SUMMARY

Experienced industrial design engineer with over 8 years of experience supporting automotive projects for Amazon, Xperi and Karma automotive through my employment at Studio63, a full stack design studio. During my time at Studio63, I commercialized a variety of consumer products from idea through to production. Since 2020, I have been working at Gatik, an Autonomous Vehicle ("AV") startup, leading a combination of industrial design and mechanical engineering efforts to bring their fleet of class 3 to 6 autonomous vehicles to market. My experience in both industrial design and mechanical engineering enables me to approach industrial design with technical aspects of product functionality and structural requirements in-mind and uniquely positions me to be successful in dynamic and fast-paced environments that require a multi-disciplinary skill set.

WORK HISTORY

SR. INDUSTRIAL DESIGN ENGINEER

03/2023 to CURRENT

MECHANICAL DESIGN ENGINEER

11/2020 to 02/2023

Gatik AI | Mountain View, CA

- Hired as the first dedicated Hardware team member at Gatik - responsible for designing Gatik's first commercialized AV sensor stack.
- Iterated cross functionally with software and systems engineering teams to mature the AV sensor design across multiple vehicle platforms and generations of sensors and compute platforms.
- Responsible for all aspects of the AV build from the ground up, including design, mechanical, electrical, prototyping, production, integration, testing, and safety assessments.
- Strong executive presence evidenced by the ability to simplify complex design concepts into concise rendering content for proposals and presentations to senior executives and external partners.
- Ability to execute as a project manager across multiple engineering disciplines with both internal and external teams. Experience delivering multiple company wide programs on time and on schedule with budgets up to \$2 million.
- Analytically minded and focused on efficiency exhibited by continuous analysis of current production challenges and timelines. Recommended a redesign of facility and equipment setup to optimize build time that led to a 30% reduction in production timelines of the AV sensor stack.
- Team player with the ability to wear multiple hats. Go to engineer internally to troubleshoot and fix problems that do not have a dedicated person of responsibility.

INDUSTRIAL DESIGNER

04/2018 to 04/2020

Studio63 | Ottawa, Canada

- I joined Studio63, out of university as team member 3.
- Created designs based on cost targets, materials, market trends, and branding guidelines.
- Managed projects from ideation, sample development, client review, and production. Created strong client relationships by providing feedback and project status updates regularly.
- Worked extensively with manufacturers in both North America and Asia to produce tooling for mass production. Helped double the company revenue within one year and expand the employee headcount 3x.
- Took on responsibilities to manage multiple projects and consistently executed within tight timelines and on budget.
- Traveled to service client projects within the USA and Canada, including CES in Las Vegas, for companies such as Amazon, Xperi, Karma Automotive.

- Worked in multiple design disciplines including, Automotive Technology Integration, Sports Products, Electronic Enclosures, Adult toys, IOT Products.
- Suggested enhancements to product design to improve user experience.
- Developed frameworks to analyze user feedback and implement changes to product design.
- Created visuals/renderings to communicate product design concepts by leveraging 2D/3D tools such as Solidworks, Keyshot, Blender, Adobe Suite.

PRODUCT DESIGN INTERN

04/2017 to 09/2017

Designforce | Toronto, Canada

- Worked closely with a design and engineering team to learn about the industry.
- Worked with international clients to produce my first mass produced product, learning about injection mold design and assembly lines.

EDUCATION

Bachelor of Industrial Design | Industrial Design
Carleton University, Ottawa, Ontario

04/2018

- Rocket Design Competition - Top 5 Graduating Students from all industrial design programs across Canada Compete in Toronto Canada with their Thesis Project

SKILLS

- 3D Modeling (10+ years)
- Prototyping (10+ years)
- Keyshot (9+ years)
- 3D Printing (8+ Years)
- Design for Manufacturing/mass production
- Critical and Creative Thinking
- Product Development
- Client Demos/ Presentations

KEY CLIENTS

- Amazon Web Services
- Xperi Corp
- Karma Automotive
- APMA
- QNX Blackberry