



Aaron Brodkorb

3rd Year Mechanical Engineering Student | Intern BMW

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📍 Munich, Germany | Cork, Ireland

SUMMARY

A passionate and driven mechanical engineering student with hands-on experience in next-generation battery production at BMW and a proven track record in process engineering, safety management, and data analysis. Strong communicator, experienced in collaborating across disciplines, and always seeking opportunities to learn, lead, and contribute to cutting-edge engineering projects.

EXPERIENCE

Intern - Process Planning, Test Planning, Final Assembly

BMW Group

📅 05/2024 - 11/2024 📍 Munich, Bavaria

- Theorised, organised, and carried out tests on automated stations in the 'reference' production line for the next-gen EV battery modules.
- Analysed, compiled, and presented data using Vision Tools software, Excel, and PowerPoint in order to identify and minimise n.o.k. scans.
- Collaborated with software developers to test and fix issues on a new 'AIQX Inspection Search' platform.
- Conducted research and presented AI solutions, best practices, and tips to my department regularly, demonstrating initiative.
- One of 300 BMW employees across the US and Germany to participate in the pilot phase of Microsoft Copilot, successfully completing 'Advanced Training'.
- Gained insights into new approaches for addressing specific problems efficiently and cost-effectively by observing and collaborating with experienced colleagues.

Head of Safety

The GEEC (Galway Energy Efficient Car)

📅 10/2022 - 05/2024 📍 University of Galway, Ireland

🔗 <https://www.universityofgalway.ie/science-engineering/engineering/mechanical-engineering/aboutus/t-hegeec/>

- Ireland's most energy-efficient car, which competes annually in the Shell Eco-Marathon against teams from universities across Europe and North Africa.
- Collaborated with a masters thesis student on the simulation and optimisation of the GEEC and served as the head of safety for the project.
- Aquired practical experience by collaborating with engineering students from various disciplines on a wide range of GEEC components.

Founder

Tome Fades

📅 12/2020 - Present 📍 Cork, Ireland

- Manage a part-time hairdressing business, which has honed my skills in customer relations, online marketing, and business operations, while also generating substantial income.
- Continuously sought ways to keep existing clientele while simultaneously drawing in new ones through incentives and by refining my craft in order to achieve better results.

EDUCATION

3rd Year Mechanical Engineering Student

University of Galway

📅 09/2022 - Present 📍 Galway, Ireland

Secondary Education

Midleton College

📅 09/2016 - 07/2022 📍 Cork, Ireland



KEY ACHIEVEMENTS

- ✓

Successful Project Management

Mitigated explosion risk by measuring and calculating isopropanol consumption and evaporation in the BMW test production line.
- ✓

University Rocket Project

Successfully launched a bottle rocket and collected live flight data including temperature, pressure, and position from sensors on a self-coded Arduino, housed inside a lander.
- ✓

Advanced Pilot-Phase AI Training

Completed advanced training at BMW in the pilot phase of Microsoft's latest AI, Copilot.
- ✓

Video Editing

Created a [short film](#) edited on Davinci Resolve
- ✓

Other Experience

Experience in other industries working as a commis chef, waiter, and barber has taught me the ability to deal with people and how to work under pressure.

SKILLS

Automated Stations		Process Engineering	
C	R	AutoCAD	Autodesk Inventor
Solidworks		Matlab	Design Engineering
Microsoft Environment		Davinci Resolve	

PASSIONS

- #### Backpacking

Solo traveling around the world with the goal of connecting with every culture.
- #### Economics & Tech

Exploring data-driven solutions to optimize economic systems and technologies.
- #### Creative Design

Creative at my core, I always require a side-project to work on. One of my latest projects involves learning HTML and CSS in order to create an Online CV.

REFERENCES

- Henning Suermann**
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- Claire Ferriter**
Manager | Restaraunt Ferrit & Lee
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