



# GEORGE LEGGET

VEHICLE ARCHITECTURE LEAD | CONCEPT ENGINEER | PRODUCT MANAGER

## WORK EXPERIENCE

**LUCID MOTORS** (Newark, CA, USA)

**Technical Specialist, Advanced Engineering (Concept Engineer)** (May 2023 – March 2025)

- Product concept, engineering feasibility and strategic business case development, including analysis of a complete EV vehicle platform, trim lineup options and individual product features.
- Future automotive technology innovation and integration analysis (technology creation, integration & scouting).
- Engineering concept studies for novel designs from ideation to execution stage.
- Deep collaboration with engineering technical experts, product marketing & management, strategy, design studio, digital and manufacturing organizations.
- Support for Chief Engineering & Program organization of top-priority vehicle development issues.
- Confident leading cross functional engineering, design and business teams and presenting strategic recommendations to executives.
- Lead Vehicle Architecture Engineer for future Lucid Midsize Platform (3 all-new vehicles launching 2026). Complete layout responsibility for all-new electric & autonomous enabled vehicle platform.

**Lead Vehicle Architecture Engineer** (June 2020 – May 2023)

- Launched Lucid Air (Motor Trend Car of the Year 2022). Supported vehicle program through the entire lifecycle including design, prototype builds, vehicle test and production. Closed 163 engineering issues.
- Lead Vehicle Package Engineer for Lucid Air Sapphire, the world's most powerful sedan (2023 World Luxury Car of the Year, 2022 MotorTrend Car of the Year).
- Co-lead vehicle package development of Lucid Gravity, an all-new EV SUV platform (10/10 US News & World Report 2025, best luxury electric SUV).
- Leveraged strong high-level knowledge of all vehicle hardware systems to develop complete vehicle package, optimizing for efficiency, cost, weight, ergonomics, aerodynamics, styling, manufacturability and serviceability.
- Led teams in solving highly complex cross-functional engineering and packaging design issues.
- Created project management tools for vehicle layout & concept development tracking, leveraging skills with Atlassian suite.
- Strong CATIA 3DX CAD skills developed, including master section development from 3D benchmark databases and kinematic motion envelope creation & analysis.
- Led DMU interference check activities and development of countermeasures.
- Led execution of virtual builds in preparation for physical builds.
- Led vehicle package testing & validation activities at test facilities.
- Supported BOM and change control processes, including weight management and PLM release processes, from prototype to production.
- Fostered learning and professional development of vehicle package team, including managing & mentoring new members and interns.

**BYTON** (Santa Clara, CA, USA) (Jun 2019 – Jun 2020)

**Vehicle Mechanical Package/DMU Engineer, Vehicle Architecture and Integration**

- Led vehicle architecture & integration for all underbody mechanical components for the Level 3 autonomous all electric BYTON M-BYTE SUV with global design, engineering and manufacturing teams.
- Led \$450 million cost reduction project involving significant powertrain updates.

**BECA** (Australia) (Feb 2017 – Jun 2019)

**Mechanical Engineer/Assistant Project Manager**

- Design & project management for water, wastewater, and industrial engineering projects.
- Detailed mechanical design, technical writing, business case development, CAD, data analysis and presentation skills developed.
- Leadership of mechanical design work packages and office culture initiatives.

**Fletcher Systems** (NZ) (Feb 2016 – Nov 2016 during University)

**Researcher**

- Honors R&D project for design, project management & prototype manufacture of a carbon-fiber kinetic sculpture.
- Design, analysis, testing, client service and project management skills developed.

**Oracle Team USA** (NZ) (Nov 2014 – Feb 2016 during University)

**Undergraduate Mechanical Engineer**

- Mechanical design, workshop and testing experience for precision manufacture of carbon-fiber composite parts for the 2017 Oracle Team USA America's Cup Class Yacht.
- Hardware design & testing experience using cutting-edge composite manufacturing techniques to solve complex design & manufacturing challenges.

## SUMMARY:

Passionate mechanical engineer with significant professional experience in Vehicle Architecture and Vehicle Integration. Enthusiastic innovator, excellent communicator and problem solver in collaborative team environments.

Applies first principles design thinking to solve complex assignments in fast-paced environments with a highly practical and collaborative approach.

Passionate about electric vehicles and the future of sustainable transportation products. Confident, creative, curious and committed to continual learning and improvement.

## CONTACT:

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**LinkedIn:** <https://www.linkedin.com/in/george-legget-80469858/>

**Portfolio:** <https://www.legatoindustries.com>

## EDUCATION:

**Bachelor of Mechanical Engineering, Honors** (2016)

– University of Canterbury (NZ)

**Art Center College of Design** (2020) – Introduction to Product and Transportation Design

**Founder Institute** (2020) – Silicon Valley Cohort

**Stanford Continuing Studies** (2024) – VC & AI Development

## SKILLS:

**3D modelling, concept design engineering & detailed analysis** – 3DX Catia V6, SolidWorks

**Mechanical Engineering & Product Development**

**R&D** – hardware testing & prototyping, DFA & DFM

**Engineering Management** – Root Cause Analysis & Systems Thinking Methodology

**Product Ownership Mindset**

**Cross-functional Design Leadership**

**Project Management** – Atlassian & Microsoft Suite

## PROFESSIONAL MEMBERSHIPS & AWARDS:

**American Society of Mechanical Engineers** – Member

**First in Class** – Feasibility Study – Engineering Management (B. Eng (Hons), University of Canterbury)

**Concept Design Prize** – Fundamentals of Mechanical Engineering Design (B. Eng (Hons), University of Canterbury)

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## HOBBIES:

Sustainable Mobility

Community Engagement

Environmental Protection

Coffee – Qualified Barista

Skiing – Qualified Ski Instructor

Sailing – Qualified Sailing Instructor

Music

## CITIZENSHIPS:

US, NZ, UK

## LANGUAGES:

English, French (prof. working level), Spanish (basic)

## ENTREPRENEURSHIP

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### Rebel Racer Coffee Company

(July 2018 – Present)

#### Co-Founder

- Sustainable enterprise selling reusable coffee cups and related products.
- Implemented web design, social media and online marketing campaigns, graphic design, supplier liaison, company administration, and sales.
- Strong marketing and interpersonal skills developed.

## VOLUNTEERING

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### Mike Horn PANGAEA Young Explorers Program (Brazil/Switzerland)

(2012)

#### Volunteer & Ambassador

- A group of young leaders taking action for climate change and poverty through expeditions focused on environmental protection and awareness alongside youth education and development.
- Demonstrated sense of community, environmental protection and ability to thrive in challenging environments outside the comfort zone.