




Peter Verdone

Mechanical Design Engineer

I'm driven to advance the evolution of motorcycles, bicycles, and skateboards. This development process ranges from theoretical to practical, as well as testing. I've produced unique hardware and methods for engineering and construction, publishing these results. I work with words, equations, spreadsheets, solid models, and drawings. I look at problems holistically and from first principles so that I can properly solve the smaller details. This is proven in my portfolio. My ability to machine, weld, and fabricate prototypes sets me apart from most engineers. Decades of riding experience allows me to truly evaluate each advancement and modification.

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 Fairfax, CA or Salida, CO

 peterverdone.com

 [linkedin.com/in/peterverdone](https://www.linkedin.com/in/peterverdone)

 [youtube.com/user/pverdone](https://www.youtube.com/user/pverdone)

Expertise

Solid Modeling

Fixture Design

Machining

Technical Writing

SolidWorks

Parametrization

Project Planning

TIG Welding

Working w/ Vendors

Adobe Illustrator

Assembly Modeling

Design for Mfg

Mechanical Setup

Field Testing

Adobe Photoshop

Portfolio

My personal website is an extensive catalog showing my pursuit in mastering the medium: tilt steer vehicles. A condensed portfolio page is available for quick review at peterverdone.com/portfolio.

Experience, Selected

Research Engineer & Instructor

San Francisco State University, Physics & Astronomy Department

11/2005 - Current, San Francisco, CA

- Project planning, engineering, and construction of scientific apparatus in laser and thin film laboratories.
- Advised research professors of better methodologies for improving results and measurements.
- Constructed and modified several institution grade telescopes and platforms for graduate instruction.
- Designed and constructed a fleet of new telescope bases with isolation from building vibration.
- Taught credit courses in fundamentals of apparatus fabrication for physics and engineering students (Phys 495).
- Worked with students to design and construct independent and research projects.
- Assisted similarly with faculty in Chemistry, Engineering, Biology.

Toolroom & Prototype Machinist

Parker Hannifin, Compumotor Division

10/1998 - 6/2000, Rohnert Park, CA

- Attended engineering meetings to advise and improve early developments in products and processes.
- Troubleshooting of complex processes and testing with engineering group.
- Managed CNC machine shop for stepper and servo motor production lines: producing tooling and prototype parts for high quality, precision servomotor manufacturing.

Motorcycle Tuner & Fabricator

Factory Pro-Tuning/WheelSmith Racing

6/1996 - 10/1998, San Rafael, CA

- Prototyping and R&D of aftermarket parts for motorcycle racing.
- Fabricated custom parts; machined, welded, and modified chassis and engines for AMA Supersport and Superbikes.
- Designed and improved new parts in a CAD environment.
- Worked with customers to evaluate shortcomings of current equipment.