

Javid Alasti

Seeking a full time position starting January 2025

Home: Palo Alto, CA 94301

(650) 799-8812

javida@vt.edu

[linkedin.com/in/javid-alasti](https://www.linkedin.com/in/javid-alasti)

EDUCATION

Virginia Tech, Blacksburg VA— *Mechanical Engineering*

August 2019 - December 2024

- Minor in Innovation
- Team Lead for BOLT electric superbike design team
- Undergraduate Lab Assistant in Frith Engineering Lab

EXPERIENCE

Tesla, Brooklyn Park, MN— *Machine Mechanical Design Intern*

August - December 2023

- Designed, built, and installed factory equipment in US factories
- Owned cell for compressing and flipping product, from concept to completion
- Designed and iterated manufacturing tools for intricate assemblies
- Assisted in early ramp of product manufacturing lines onsite
- Communicated with machinists and assemblers to build and test designs

Lightship RV, San Francisco, CA— *Vehicle Engineering Intern*

May - August 2023

- Led design for a actuator system that lifts and lowers the top half of RV
- Took project from early requirement gathering to initiating detailed design
- Worked with mechanical, electrical, and controls teams to optimize actuators
- Designed and built an actuator testbed to evaluate design options

Terabase Energy, Davis, CA— *ME Intern*

May - August 2021, May - August 2022

- Worked in a small team developing industrial-scale solar assembly methods
- Developed a system to depalletize and stage solar panels on assembly line
- Prototyped radio controlled systems for electric motors and actuators
- Developed, tested, and iterated a product to catalog deployed solar panels

BOLT Electric Superbike, Virginia Tech — *Integration Lead*

Aug 2021 - Present

- Design, build, and race a 150 kW electric superbike
- Mechanical/electrical design and fabrication of 10kWh lithium battery pack
- Personally developed in house bus bars for battery wirebonding
- Developed custom resistors to make testbench to evaluate battery modules

PERSONAL PROJECTS

Classic Car Restoration — *Summer 2020*

Fully restored 1964 Chevy Corvair. Rebuilt transmission, modernized brake and electrical systems, repaired and refinished body, upholstered interior. [More detail](#)

Custom Electric Moped — *Current*

Building an electric “moped” in the style of a 70’s Honda motorcycle. [More detail](#)

SKILLS

Hands on prototyping,
Mechanical design, Power
Systems

Software: Solidworks,
CATIA/3DX, Fusion,
Altium, MATLAB

Fab: Manual and CNC
machining, MIG and TIG
Welding, Sheet Metal, 3d
Printing

Electrical: PCB design,
Battery pack design,
Motors and Controllers,
Soldering

PROJECT PORTFOLIO

www.javidalasti.com

www.vtbolt.com

EXTRACURRICULARS

High School Water Polo
Coach

Hiking Trail Restoration
volunteer

Presenter at Maker Faire

College Club Water Polo

Remote Control Aircraft
Designer

Enjoy music, play
trombone and guitar

Design Camp and Maker
Center Volunteer

LANGUAGES

English (native)

Farsi (fluent)

Spanish (beginner)