

# STEPHEN EVANS

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[WWW.STEVE-EVANS.ME](http://WWW.STEVE-EVANS.ME)

## Education

UNIVERSITY OF COLORADO, BOULDER | *May 2021*

MS Mechanical Engineering - 3.9

WASHINGTON UNIVERSITY IN ST. LOUIS | *May 2015*

BS Mechanical Engineering - 3.2

## Technical Skills

- Solidworks (CSWP), System Integration, FEA, DFMA, MasterCAM / SurfCAM
- Machine Shop (CNC & Manual), 3D Printers, Laser Cutters, Woodshop, Sewing, Design Sketching
- MATLAB, Python, ROS, G-Code, HTML, CSS, Javascript
- Arduino, Raspberry Pi, Soldering, PCB Design

## Design Engineering

MANUFACTURING ENGINEER [*Elfy's Inc*] | Hayward, CA [7/17 - 7/19]

- Provided expert DFMA consulting to clients developing designs from prototype to production
- Modeled, programmed, and fabricated injection molds based off component models
- Simultaneously handled numerous projects in high-pressure, deadline driven environment
- Augmented throughput and reduced development time with advanced CAD skill

CO-FOUNDER & DESIGN LEAD [*Doodle Design*] | Los Altos, CA [7/15 - 3/16]

- Successfully crowd-funded proprietary design for a removable earmuff accessory for baseball caps
- Finessed design for manufacturability, reducing piece part price and material waste by 50%
- Drafted and filed provisional patent application for product's inventive attachment mechanism
- Illustrated animations and UX for a 'Hearts' card game iPhone application

R&D MECHANICAL ENGINEER [*WashU Med School*] | St. Louis, MO [Summer 2014]

- Helped interdisciplinary team engineer a novel mesh material for hernia repair procedures
- Designed and fabricated experimental setups critical to research's proof of concept
- Improved measurement accuracy by a magnitude of 10 with each successive prototype

## Additional Experience

ROBOTICS ENGINEER [*CU RoboBoat*] | Boulder, CO [Ongoing]

- Collaborated with computer science and electrical students to engineer autonomous surface vehicle
- Fabricated LIDAR driven car to learn fundamentals of microsystem integration and control
- Headed to Daytona, FL in June to represent CU in RoboNation RoboBoat competition

PROJECT DIRECTOR [*ThurtenE Carnival*] | St. Louis, MO [11/14 - 4/15]

- Mangaged 200+ volunteers over 10 months in the design and construction of a themed playhouse
- Optimized progress by preparing daily project agendas and material needs
- Awarded first place for project's creativity and design cohesion

## Leadership & Activities

CAD & FABRICATION TA | *Ongoing*

THE CRUCIBLE - VOLUNTEER | 4/17 - 6/19

ENGINEERING MECHANICS TA | 2/14 - 5/15

EAGLE SCOUT AWARD | *January 2009*