

# Cody O'Sullivan

## Product Design and Development

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Cambridge, MA  
978.495.1447

### Industry

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#### **Product Development Engineer // Primaira LLC**

May 2018 - Present // Woburn, MA

Providing product development services from ideation and research to prototyping and production. Offering expertise in the consumer cooking appliance space to major companies such as SharkNinja and Viking.

Contributing full cycle development support for startups commercializing new technologies. Creating design renderings, proof of concept systems, and looks-like/works-like prototypes, often on accelerated schedules.

#### **Production Manager // Mide Technology Corp.**

Aug 2013 - June 2015 // Medford, MA

Supervised manufacturing line and technicians for a suite of piezoelectric sensors and actuators with \$600k+ annual revenue.

Brought new products from concept to production for clients or internal projects.

Reduced cost and waste by modernizing manufacturing and quality control processes.

#### **Mechanical Engineer // Mide Technology Corp.**

Nov 2012 - June 2015 // Medford, MA

Developed mechanical and electromechanical systems for clients in the aerospace, defense, automotive, and medical device fields.

Built and tested prototype systems against client specifications.

Authored and contributed to project proposals for private clients and government programs.

#### **Jr. Mechanical Engineer // Satcon Technology Corp.**

May 2010 - April 2012 // Boston, MA

Supported the design and manufacturing of grid-scale solar power collection systems.

Designed parts and systems to meet regulations and standards such as CE, UL, and IP.

Created drawings and documentation for domestic and overseas manufacturing.

### Education

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#### **MS Design Science // University of Michigan**

Sept 2015 - Dec 2016 // Ann Arbor, MI

Designed and completed a program of study focused on human centered design and engineering practices. GPA of 3.92.

#### **Master Program Practicum // DCS Corp.**

April 2016 - Oct 2016 // Warren, MI

Designed and constructed a simulated vehicle cabin used to evaluate a proposed UI for a next-gen armored vehicle under development at US Army TARDEC.

Developed and conducted user trials and interviews. Distilled results into formal report with design recommendations.

#### **BS Mechanical Engineering // RPI**

Sept 2006 - May 2010 // Troy, NY

Senior Capstone Project: the design and construction of a dynamic wind tunnel section used to test new airflow technologies, sponsored by Boeing.

#### **Intern // Satcon Technology Corp.**

May 2008 - Sept 2009 // Boston, MA

Provided research and testing support for various electromechanical projects.

#### **Intern // Hall Spars and Rigging**

May 2007 - Sept 2007 // Bristol, RI

Experienced a number of roles while cycling through fabrication and assembly shops producing high performance carbon fiber yacht masts and accessories.

### Skills

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Solidworks, Blender, MATLAB, LabView, CNC Programming, FEA and CFD Tools, Basic Coding, Fabrication, Machining, Welding, Soldering, 3D Printing, User Research, Interface Design