Paul **Sammut**

Robotics Engineer

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Summary

Paul is a robotics engineer that has worked on underwater rockets, has started a consumer product hardware company and a robotics consulting company making marine research robots. He was born with a passion for anything with wires, software, and moving parts. He has over a decade of experience building many combinations of those three things. These projects have taken him on a never-ending learning journey spanning designing ROS autonomous systems, real-time control, embedded electronics, mechatronics, and software/hardware project management.

Education

Stevens Institute of Technology *Hoboken, NJ*

Bachelor of Engineering in Mechanical Engineering (Aerospace Concentration) *May. 2009*

Stevens Institute of Technology *Hoboken, NJ*

Master of Engineering in Mechanical Engineering (Robotics Concentration) *May. 2014*

Work Experience

Stocker Freight *New York, NY*

Founder *2017 - 2018*

- Raised FF seed round and founded Stocker, dedicated to creating an autonomous freight service for cities.
- Worked with product co-founder to create company strategy and build supporting technology prototype.

Robotics Constuling | Rockeffeller University *New York, NY*

Robotics Engineer *2016 - 2017*

- Acquired, managed and executed a robotics project to create a 16' autonomous catamaran to aide in dolphin vocalization research. Project culminated with successful field test in Belize.

Ramos Alarm Clock | Sammut Tech LLC *Hoboken, NJ*

Founder *2012 - 2016*

- Invented a novel alarm clock that forced users up by use of a remote keypad. Clock inducted in the US National Clock Museum's collection.
- Created a successful Kickstarter and pre-order campaign raising $200K in pre-orders.
- Setup a factory in New Jersey, managed 2 engineers and labor hires to manufacture product.
- Managed capital acquisitions, supply chain, manufacturing plans, inventory forecast schedules, and product strategy.

Davidson Lab | Stevens Institute of Technology *Hoboken, NJ*

Senior Research Egineer *2009 - Present*

- Managed new technology projects from the specification phase to testing and validation.
- Conducted fundamental physics research on High Speed Supercavitating Vehicles (underwater rockets).
- Created instrumentation and control apparatus utilizing various sensors, pneumatic systems, still and video photography systems interfaced to separate RTOS and standard computers on a custom distributed network.
- Operated, maintained, and upgraded a fleet of UUVs operating in the Hudson River.
- Created HIL testing apparatus utilizing mathematical models to validate system performance.
- Designed electronic wiring systems for power, analog and digital comms and connector solutions.
- Wrote and supported mission critical launch control software for rocket systems.
- Designed and managed the creation of a control surface subsystem with humming bird level dynamic response.

Institute Machine Shop | Stevens Institute of Technology *Hoboken, NJ*

Machine Shop Apprentice *2007 - 2009*

- Machined parts based on provided drawings and learned fundamental concepts of Design For Manufacture