|  |  |
| --- | --- |
| Paul Sammut | (646)-421-5751  paul.c.sammut@gmail.com |

## Summary

Robotics engineer specializing in underwater rocket research, hardware startup founder and robotics consultant. Work spanning designing autonomous systems, electronics, mechatronics, software and hardware production management.

## Education

**2013** **Master of Engineering Mechanical Engineering (Robotics conc.)** *Stevens Institute of Technology, NJ*

**2009** **Bachelor of Engineering Mechanical Engineering (Aerospace conc.)** *Stevens Institute of Technology, NJ*

## Work Experience

|  |  |  |
| --- | --- | --- |
| **2017- 2018** | **Founder of Stocker Freight** |  |

* 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.

|  |  |  |
| --- | --- | --- |
| **2016 - 2017** | **Robotics Consulting** | *Rockefeller University, NY* |

* 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.

|  |  |  |
| --- | --- | --- |
| **2012 - 2016** | **Creator of Ramos Alarm Clock** |  |

* Created a novel alarm clock that forced users out and away from their beds. Created a successful Kickstarter and pre-order campaign raising $200K in pre-orders.
* Conducted PR that reached to the front page of AOL, BBC, Yahoo and project was spoofed on Saturday Night Live.
* Setup a factory in New Jersey, managed 2 engineers and labor hires to manufacture product in-house.
* Managed capital acquisitions, manufacturing plans, inventory forecast schedules, and product strategy.
* Designed, built and sold over 1000 units during operation from own e-commerce store.

|  |  |  |
| --- | --- | --- |
| **2009 to Present** | **Senior Research Engineer at Davidson Laboratory** | *Stevens Institute of Technology, NJ* |

* Managed numerous new technology projects from the specification phase to testing and validation
* Conducted fundamental physics research on High Speed Super Cavitating 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 state of the art 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.

|  |  |  |
| --- | --- | --- |
| **2008 to 2009** | **ESA Tunneling Construction Field Engineering Intern** | *Judlau Contracting, Inc., Queens, NY* |

* Worked in a small team executing a $10 billion subway construction project in NY.

|  |  |  |
| --- | --- | --- |
| **2007 to 2009** | **Machine Shop Apprentice** | *Stevens Institute of Technology, NJ* |

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

## Projects Publications and conferences

**2010 Blue Dart Project sponsored by the Office of Naval Research**

* Selected by US Govt. to pose as a terrorist cell and build a robot capable of fulfilling a classified mission

**2010 Greenfield Aviation Security Workshop 1 and 2 by the US TSA and UK Home Office**

* Served on an international expert panel and gave insight on robotic security threats and countermeasures

“Remote Control and Monitoring of MOOS Vehicles through Cellular Modems”, MOOS-DAWG 2010 at MIT

“Guidance of an unmanned underwater vehicle using a passive acoustic threat detection system” IEEE, 2010

“Planing-Hull Forces and Moments on a Cylindrical Body in a Cavity”, 8th Int. Symp. on Cavitation 2012

## SKILLS and Certifications

Solidworks (14yrs exp), LabVIEW (RealTime, Vision, FPGA), ROS, CRio, GigE, Camera Link, Matlab, Altium, C/C++, CAN, I2C, SPI, Analog Systems Design, Embedded Systems Design, US Secret Clearance, US+EU citizen