

Paul Sammut

ROBOTICS ENGINEER

706 Washington St. Hoboken, NJ, 07030

☎ 646-421-5751 | ✉ paul.c.sammut@gmail.com | 🌐 www.paulsammut.com | 📷 paulsammut | 🌐 paul-sammut

Summary

Paul is a robotics engineer who has worked on underwater rockets - 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 enjoyed building many combinations of those three things for more than a decade. These projects have taken him on a never-ending learning journey spanning designing autonomous systems, electronics, mechatronics, software and hardware project management.

Education

Stevens Institute of Technology

BACHELOR OF ENGINEERING IN MECHANICAL ENGINEERING (AEROSPACE CONCENTRATION)

Hoboken, NJ

May, 2009

Stevens Institute of Technology

MASTER OF ENGINEERING IN MECHANICAL ENGINEERING (ROBOTICS CONCENTRATION)

Hoboken, NJ

May, 2014

Work Experience

Davidson Lab | Stevens Institute of Technology

SENIOR RESEARCH ENGINEER

Hoboken, NJ

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.

Judlau Contracting, Inc.

ESA FIELD ENGINEERING INTERN

Queens, NY

2008 - 2009

- Worked on a team executing a \$10B subway construction project in NY - oversaw the construction of Sump Pump Chamber #7.

Extracurricular Activity

PoApper (Developers' Network of POSTECH)

CORE MEMBER & PRESIDENT AT 2013

Pohang, S.Korea

Jun. 2010 - Jun. 2017

- Reformed the society focusing on software engineering and building network on and off campus.
- Proposed various marketing and network activities to raise awareness.

PLUS (Laboratory for UNIX Security in POSTECH)

MEMBER

Pohang, S.Korea

Sep. 2010 - Oct. 2011

- Gained expertise in hacking & security areas, especially about internal of operating system based on UNIX and several exploit techniques.
- Participated on several hacking competition and won a good award.
- Conducted periodic security checks on overall IT system as a member of POSTECH CERT.
- Conducted penetration testing commissioned by national agency and corporation.