



# ROBERT WOROBEY

MOTIVATED INNOVATOR WITH A MILITARY BACKGROUND



Pittsburgh, PA



<https://www.linkedin.com/in/robert-worobey/>

## Military Career

### Reserve search and rescue trainer

United States Coast Guard - Pittsburgh, PA

📅 2018 to Present

Station Pittsburgh, PA

Current responsibilities:

- Prosecuting SAR operations
- Training reserve members on boat operations and law enforcement policies, techniques and procedures

### Base search and rescue manager

United States Coast Guard - San Francisco, CA

📅 2014 to 2018

Surf Station Golden Gate, CA

- Managed over 400 Search and Rescue cases in the bay area involving multiple assets, including other government agencies for successful mission completion
- Directed security zone forces for the protection of high-value assets in the bay area, such as cruise liners, tankers, and ferry terminals
- Cross-trained over 45 unit personnel on severely needed qualifications to augment the workforce so that missions could be filled effectively
- Collaborated with 4 departments daily to ensure smooth base operations
- Managed the facilities department and procured over \$100,000 in repairs, materials, and supplies
- Developed on-base fabrication facility and trained unit personnel to use CNC router and laser to save the unit thousands of dollars in unit funds
- Designed patient recovery blind to ensure privacy during life-saving operations at the dock, was lauded for inventive solution to a growing problem.
- Engineered a new tow-reel design for implementation on the 47 MLB platform to lower costs to the USCG and decrease fatigue on crew members while conducting towing evolutions
- Completed 22 credit hours of online classes with a GPA of 3.63

### Base Search and Rescue Manager

United States Coast Guard - Newburyport, MA

📅 June 2010 to 2014

Surf Station Merrimack River, MA

- Obtained qualifications of a search and rescue operator, law enforcement supervisor, and base manager
- Lead training missions during adverse weather conditions
- Planned and coordinated base projects as head of the facilities department
- Volunteered to serve during special operations in Boston, MA
- Responsible for asset maintenance on 3 separate vessels
- Qualified at safety and firefighting operations in the marine environment
- Qualified as a commercial fishing inspector and responsible for educating the public on accepted dredge and trawl equipment specifications

## Education

### Undergraduate Student

University of Pittsburgh Swanson School of Engineering -Pittsburgh, PA

📅 August 2018 to Present

at the Swanson School of Engineering at the University of Pittsburgh

- Currently attending engineering classes to obtain a bachelor of science degree in mechanical engineering

## Current Employment

### Student Mechanical Designer

Human Engineering Research Laboratory (HERL)

-Pittsburgh, PA

📅 August 2020 to Present

- Currently a member of HERL's engineering team which designs and manufactures devices for disabled veterans
- Responsible for rapid design, CAD, and simulation of prototypes
- Six projects completed in six months from idea to idea to fabrication

## Skills

- Team coordination
- Critical problem solving
- Rapid prototype design
- Project Management
- Proficient in Solidworks/Autodesk Inventor
- Focus on applied simulation and design

## Military Service

### Branch: United States Coast Guard

Rank: E6

Time in Service: 13 years

## Certifications and Licenses

### Security Clearance

Current

Active security DOD security clearance to coincide with being a boarding officer in the United States Coast Guard.

## Medals and Awards

- Coast Guard Achievement Medal
- Global War Terror Service Medal
- (5) Coast Guard Meritorious Team Commendation Ribbon
- Coast Guard Special Operations Ribbon
- (2) Coast Guard Good Conduct Medal
- Coast Guard Unit Commendation Ribbon