

Zevi Rubin

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Education

Wheaton College, Norton, MA

BA, Computer Science May 2016

Software / Specialized Skills

FAA Part 61 Current	FAA Part 107 Pilot	UAS System Integration
FAA UAS Test Site in Class D	ArduPilot Ecosystem	Aerial Mapping & Modeling
FAA sUAS COA Process	GBDAA for BVLOS Ops	C++ & Python Ecosystem

Experience

Senior UAS Engineer, Software Engineer, AX Enterprize 2016 - Present

- Lead pilot, design, and development of UAS platforms, sensor and hardware integration
- Manager of the FAA designated NY UAS Test Site at KRME in Rome NY
- Test Site Mission Commander, Airworthiness and SRB lead, PIC under most COAs
- Government Security clearance: Secret
- UTM integration and demonstration for contracts with NASA and the DoD
- UAS configuration, assembly, bench & flight testing, log analysis

Software Engineer, Disaster Response UAV, Atlas v1 Prototype, Drono 2016 - 2017

- Design prototyping and software development for a remote sensory platform
- Design and assemble carbon fiber and PLA parts for UAV frame and hardware
- Build LIDAR SLAM integration on the UAV platform for autonomous capabilities

UAV Consultant, Bristol County Fire Dept., Training Reconnaissance, Norton MA 2014 - 2016

- Assist Norton Fire Department on numerous search and rescue scenarios
- Provide technical rescue training exercises with scenario inspection and tool transportation
- Provide on-call aerial drone live feed for response personnel on the ground
- Record, edit, and produce professional aerial video and photos of exercises

UAV Developer, CDR Maguire, Providence RI, Summer 2015

- Consulted with engineering director for specification and prototyping of inspection drone
- Performed inspection flight and planned bridge inspection using drone technology
- Deliver still photographs, professionally edited video, point cloud and texture mapping

Other Experience

Data Visualization Research, Computer Science Dept. Wheaton College MA, Summer 2015

- Created a web-based system for visualizing ranked, time-series data using graphic visualization and clustering displays
- Replaced Flash Action Script with JavaScript and HTML5 web interface

Leadership Activities

Volunteer Firefighter: EMT-B, Interior Fire Operations, Pump Ops, 2019 - present
Thomas J. Watson Fellowship Finalist, 2016
MassChallenge Student Business Entrepreneur Winner, 2015

Interests and Hobbies

Flying airplanes, drone racing, photography, travel, twisty puzzles, and Rubik's cubes