

Zevi Rubin

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Education

Wheaton College, Norton, MA

BA, Computer Science May 2016

Software / Specialized Skills

C++/Python	Vigilant Spirit/PCC	NASA TCL 2 and TCL 3
OSX, Linux, Windows	Pixhawk 2.1 Autopilot	FAA 107 Pilot/Technician
UAS UTM Integration	NASA LVC at FAA Sites	Aerial Mapping/Modeling

Experience

Software Engineer, Pilot/Mission Commander, AX Enterprize 2016 - Present

- Support the design and development of UAS platforms, sensor and hardware integration
- Government Security clearance: Secret
- UAS platform configuration, assembly, flight testing, and product delivery
- SITL aircraft simulation, replay, and GCS to UTM integration
- NY UAS Test Site Mission Commander and lead flight trainer
- PIC for AX UAS operations including BVLOS, NASA TCL 2, TCL 3, TCL 4, and UFT Campaigns

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

Thomas J. Watson Fellowship Finalist, 2016
MassChallenge Student Business Entrepreneur Winner, 2015
President of Computer Science Themed House, 2015 – 2016
President of Computer Science Club, 2014 – 2016

Interests and Hobbies

Drone racing, photography, travel, twisty puzzles and Rubicks cubes

