Zevi Rubin

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**Education**

**Wheaton College, Norton, MA**

BA, Computer Science May 2016

**Software / Specialized Skills**

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| FAA Part 61 Current  FAA UAS Test Site in Class D | FAA Part 107 Pilot  ArduPilot Ecosystem | UAS System Integration  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