Zevi Rubin

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**Education**

**Wheaton College, Norton, MA**

BA, Computer Science May 2016

**Software / Specialized Skills**

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

**Experience**

**UAS/Software Engineer and FAA 107b Pilot, AX Enterprize,** 2016 - Present

* Support the design and development of UAS platforms, sensor and hardware integration
* UAS platform configuration, assembly, flight testing, and product delivery
* SITL aircraft simulation, replay, and GCS to UTM integration
* NY UAS Test Site pilot and lead pilot flight trainer
* PIC for AX UAS operations including BVLOS NASA UTM TCL 2 and TCL 3 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