ROBERT STEPNOSKI

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preparation	**Boston Architectural Center** (BAC) Boston, MA	*1995-2000*
	Professional Bachelor of Architecture	
	Alfred State College Alfred, NY	*1992-1995*
	Associate of Architectural Engineering Technology	
experience	**Senior Lecturer** *University of Texas At Austin, Austin, TX*	*present*
	FAA Licensed Remote Aircraft Pilot, Pt107	*2015-present*
	Owner *Step Technologies, LLC., Austin, TX*	*1997-present*
	Owner *Ridestoke, LLC., Austin, TX*	*2015-present*
	IT Director, Associate *Prellwitz/Chilinski Associates, Inc. (PCA), Cambridge, MA*	*1998-2008*
	Designer/Drafter/CAD Support *TLCR, Boston, MA*	*04/96-03/98*

sketch Robert Stepnoski is a Senior Lecturer at the University of Texas at Austin. He received his Professional Bachelor of Architecture from the Boston Architectural Center, Boston Massachusetts.

Rob's current research focuses on the use of UAVs for mapping and modeling paired with Information Technologies for analysis and site discovery. Specifically using the UAV to generate Aerial Photography and Video Capture of a site a varying altitudes. During each flight, data is collected to produce 3D Point Clouds, Digital Surface Models (Accurate, Geo-Referenced elevation map, ready for ArcGIS, Revit, and Civil 3D workflows), Orthomosaic, (High resolute aerial map with corrected perspective), Contour Lines, (generate real-time contour lines from captured topography), and 3D Textured Models which are perfect for VR and full color 3D printing.

Research into the use of the UAVs to aid first responders and simultaneously map an evolving flood plains a continued area of interest for Rob. The ability for a UAV to enter an area affected by a disaster, which a first responder should not be in, is intriguing.

Virtual and Augmented Reality is yet another aspect of Rob's research. The process of translating Building Information Models into the Virtual Information Modeling environment provides the opportunity to experience the model virtually and reveal the depth of information embedded in that model. Virtual Information Modeling is the immersive experience of Building Information Models within the Gear VR headset. The VIM can also be viewed using a desktop viewer or touchscreen. VIM technology takes full advantage of the "meta data" you enter into your Revit model. Rob's pursuit is to further explore the depths of BIM/VIM.

Systems Administration has provided the exploration of advanced level computer/server support. Implementation of Virtualized Server Environment, Plotting RIP Color Calibration/Profiling System, 3DS Rending/Animation Farm. Insures data integrity, instructs IT best-practices, policies and workflows for the School of Architecture.

Step Step Technologies ("Step") is a full service computer network company, offering software support, website design, development and maintenance, custom system integration. Since its inception in 1997, Step has helped its clients make smarter decisions with creative solutions in technology and design. "One Step Tech Support for Architects & Interior Designers". During Rob's tenure at Step Technologies, he enabled several design firms to make the migration from

AutoCAD to Revit, bringing each into BIM compliance.

As IT Director and Associate at Prellwitz/Chilinski Associates, Inc. (PCA), Cambridge, MA Rob played an integral as part of PCA's management team in staffing, employee skill-set management, budgeting, hiring, IT purchasing and forecasting. Designed and managed the computer network infrastructure consisting of 8 servers, 50 workstations, 3 remote offices, VOIP tel system, offsite backup. Managed IT budgeting, purchasing and forecast. System wide troubleshooting, user support, systems installation, repair, maintenance.

RideStoke LLC provides a creative writing and audio visual outlet for this mountain biking interest. Ridestoke is a website collective for all different types of mountain biking. Single track riding, downhill, pump track and trials riding. http://ridestoke.com

During off work hour times, Rob participates in the design and build of freeride mountain bike parks including freeride512.com. Progressive trail building helps refine a mountain biker's skillset and provides a strong upward path for beginners to accelerate. Rob has found that a leader and mentor of an always evolving riding culture, there becomes a creative outlet of watching the rider traverse the final build, and have it work.

comments   The most compelling thing about Rob is that he has a very high action/talk ratio. When most people talk and think and theorize about how to do something, Rob is already quietly, carefully and quickly getting it done. Rob has all of the imagination of a creative professional combined with the methodical expertise if a technical professional. Moreover Rob has an infectious, good attitude that elevates the mood of everyone around him.

Having known Rob for years, I am consistently impressed by his unique and innovative approach to client challenges. Having honed his 'one stop shop' approach, Rob has a gift for helping clients with their technology standards (within the CAD, Graphics, Color, and Network Environment) and how they could use their technology more efficiently. Technically he is very fluid and current on finding and providing the best mix of solutions at the price a customer needs in order to make positive improvements within the company. I would recommend him 100% for any client that is looking for a reliable, go-to resource to help improve their business.

proficient in   *Pix4D Suite,* Autodesk Suite, Sketchup, Windows Server/Exchange Systems, Reprocontrol RIP Plotting Systems, Advanced Color Calibration, ESRI Suite, Antivirus/Security Applications, Juniper VPN/Firewall Appliances, HP/Dell Servers/Printers/Plotters, HP/Cisco Series Networking, MFP Printers/Plotters, Adobe Creative/Video/Web Suite, HTML, CSS, PHP, Email Marketing Newsletters, Win, Mac, Linux Platforms.

interests   fatherhood, uav flight, business owner/management, mountain biking, hybrid architecture, web development, audio design, video production