

Samuel Udotong

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Engineer/Entrepreneur/Hacker

Education	Massachusetts Institute of Technology (MIT) <i>Bachelor of Science in Aerospace Engineering. Concentration in Computer Science</i> Coursework: Dynamics, Autonomy & Decision Making, Feedback Control, Fluids, Real-Time Systems, Computational Methods, Product Design, Software Construction, User Interface Design GPA: 3.82/4.0 Awards: Awesome Award in MIT Bitcoin App Competition (2014), AviationWeek-AIAA 20 Twenties Award (2016), Admittance to MIT AeroAstro MS & Stanford CS MS (2016)	Cambridge, MA June 2016
Experience	Fireflies.ai <i>Co-Founder, Chief Technical Officer</i> Service to extract action items from conversation without interrupting user flow. Responsible for front-end, back-end, data science, infrastructure, dev ops, QA, machine learning, automation. Stack includes react, meteor, nodejs, tensorflow (python)	San Francisco, CA August 2016 - Present
	Boeing <i>End-to-End Satellite Systems Engineer</i> Built a full-stack web app that turns input and output text files of an end-to-end satellite signal routing system into a an intuitive creation and visualization interface. The app was built with Meteor.js, d3.js and other frameworks with a responsive, real-time architect	El Segundo, CA Summer 2015
	Lockheed Martin* <i>Systems Engineer, Mission Systems and Training</i> Responsible for developing automated regression testing using Sikuli for Aegis Combat System, a five million SLOC distributed computer architecture. Analyzed near real-time command and control system data from the computing environment. Also provided issue investigation support through system test and verification. Developed strong communication and technical writing skills. * Department of Defense Secret Level Clearance Granted May 2012	Moorestown, NJ Summer 2012 Summer 2013 Summer 2014
Projects	SkyCall - Autonomous Tour Guide <i>Sponsored by SENSEable City Lab</i> Developed a prototype of " SkyCall ," a project comprised of a mobile app and an autonomous quadrotor functioning as a tour guide through MIT. Worked on the production of custom UAV parts through foam cutting, SolidWorks and 3D printing.	Cambridge, MA Spring 2013
	Unified Engineering Flight Design Project Competed against MIT sophomore engineers to design, build and fly electrically powered RC aircraft mounted with solar panels. Performed system level integration of the hardware parts. Also used MATLAB to optimize solar energy efficiency based on measurements taken, battery conversion rates and competition stipulations.	Cambridge, MA Spring 2014
Leadership	MIT Unmanned Air Vehicle (UAV) Team <i>Co-Founder, Vice President, President</i> Founded the team with a group of students dedicated to both learning and teaching others UAV design, construction, controls systems, flight, and vision-based navigation. We regularly meet to construct quadrotors and fixed-wing vehicles. We are competing in the 2016 IARC competition, an international challenge to advance autonomous systems.	Cambridge, MA Fall 2012-Spring 2016
	Partners in Disaster Recovery <i>Co-Founder, Technical Consultant</i> Started a non-profit organization comprised of UAV technology enthusiasts who are motivated to address problem areas where UAV technology can assist. Presented at the World Urban Forum hosted by UN Habitat in Medellin, Colombia. Presented at the Harvard Humanitarian Initiative.	Medellin, Colombia February 2014-August 2015
Technical Skills	Python, Java, C++, JavaScript, HTML/CSS, Sikuli, MATLAB, Git, Linux, Automation, Simulink, Machining, SolidWorks, Jenkins, JUnit, Data Analysis, Debugging, Microsoft Office, Adobe Suite	