# Sunit Kulkarni

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US Citizen (Inactive DoD Secret Clearance)

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**OBJECTIVE**

To further develop entrepreneurial experience through a role in software development, design, technical sales, marketing, or related areas.

**EDUCATION**

**Georgia Institute of Technology Aug 2012 – May 2017**

* B.S in Mechanical Engineering
* B.S in Electrical Engineering
* GPA: 3.24/4.00 | Dean’s List

**Study Abroad** ***Jan 2015 – Apr 2015***

* Georgia Tech Lorraine | Metz, France
* Traveled in Europe | Austria, Czech Republic, Germany, Hungary, Italy, Luxembourg, Spain, Switzerland, UK

**RESEARCH AND WORK EXPERIENCE**

**Mandala Soundworks |** **Co-Founder**  ***May 2017 – Present***

* Building a solution for guitar players to record tablature in real time from jam sessions

**VeriSolutions |** **IT Director**  ***Mar 2017 – Sep 2017***

* Developed internal IT policy and controls to better secure company digital assets
* Fulfilled order shipments for restaurant customers with less than one-day notice
* Compiled prototypes of upcoming restaurant software that automates internal customer checklists

**Harris Corporation |** **Intern**  ***May 2016 – Jul 2016***

* Debugged a Creo JavaScript applet for outputting a mass properties BOM Excel sheet from an assembly file
* Tested feasibility of replacing a potentiometer with a flex sensor for redundant measurement of reflector deployment
* Conducted a study of antenna reflector concepts that combine a mesh surface with an inflatable lens volume
* Recompiled outgassing data for over 100 space grade materials for a European aerospace customer

**GT Space Systems Design Laboratory |** **Researcher**  ***Aug 2013 – Dec 2016***

* Assembled hardware for satellite, Prox-1, with a slated launch time of summer of 2017, that will demonstrate automated trajectory control for on-orbit inspection of Planetary Society’s LightSail-B

**ACCOMPLISHMENTS**

**Startup Lab App | Project Lead** ***Aug 2015 – Dec 2015***

* Performed customer discovery with over 100 users for a solution that simplifies international group travel expenses
* Designed an MVP simulation of travel expense app with PowerPoint

**GT Solar Racing | Mechanical and Electrical Team Liaison** ***Mar 2014 – Dec 2014***

* Implemented and tested Battery Management System (BMS) circuitry for solar vehicle, SR-2

**University Student Launch Initiative | Science Team Member** ***Jan 2013 – Aug 2013***

* Designed a payload to damp slosh in microgravity for NASA sounding rocket competition
* Participated in NASA’s Reduced Gravity Education Flight Program (RGEFP) with modified sounding rocket payload

**LEADERSHIP AND ACTIVITIES**

**GT Residence Hall Association | Meetings and Finance Coordinator*****May 2014 – Dec 2014***

* Managed an $8,000 budget for activities and events to enrich on campus student living

**MIT Zero Robotics ISS Programming Challenge | Student Mentor*****Jun 2014 – Jul 2014***

* Trained middle school students for robotics competition in space to spark interest in STEM fields

**Boy Scouts of America | Eagle Scout** ***Apr 2005 – Aug 2012***

* Planned and led a project to construct four shelving units for storing a temple’s festival decorations

**Elite Strings Youth Orchestra | Violinist*****Sept 2009 – Jun 2011***

* Performed in Carnegie Hall, NYC

**SKILLS**

**Software** AutoCAD, ADS, Cadence, Inventor, LabVIEW, LTspice, Mathcad, Momentum, Multisim, NX, PADS, Photoshop, Quartus, SolidWorks

**Programming** Assembly, C/C++, HTML/CSS, JavaScript, Java, Matlab, Objective-C, Python, Swift, VHDL

**Languages** Basic German, Basic Hindi, Basic Russian, Basic Spanish

**Communication** Project Proposals, Technical Presentations, Technical Writing

**Lab** 3D Printer, Band Saw, CNC, Digital Signal Analyzer, Drill Press, Function Generator, Laser and Water Cutting, Lathe, Milling, Multimeter, Oscilloscope, Power Supply, Soldering Iron