

Sunit Kulkarni

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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 Languages

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