Sunit Kulkarni

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PURPOSE

Technology entrepreneur looking to augment current experience in software development, design, technical sales, marketing, consulting, and related areas. Building solutions to impact customer lives is a passion. Available Immediately.

EDUCATION

DigitalCrafts   **Aug 2017 – Feb 2018**
- Full stack development boot camp with MERN Stack
- Developed healthy road trip web app with Google Maps API and Passport.js

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

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, that will demonstrate automated trajectory control for on-orbit inspection of Planetary Society's LightSail-2

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

Programming	Assembly, AWS, Bootstrap, C/C++, CSS, Express, Heroku, HTML, JavaScript, Java, Matlab, Materialize, MongoDB, Node, OpenPGP, Passport, Python, PostgreSQL, React, Redux, Swift, VHDL
Software	AutoCAD, ADS, Cadence Virtuoso, Inventor, LabVIEW, LTspice, Mathcad, Momentum, Multisim, NX, PADS, Photoshop, Quartus, SolidWorks
Languages	Basic German, Basic Hindi, Basic Russian, Basic Spanish