

SAJAN JAI GUTTA

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EDUCATION

University of Southern California, Viterbi School of Engineering - Los Angeles, CA

August 2018

B.S. in Computer Science and Business Administration

- *Expected graduation May 2022; Cumulative GPA: 3.89; 4.0 major GPA; 4.0 every semester except Freshman year, first semester*
- *Honors: Viterbi Top Scholars Award + Scholarship, USC Presidential Scholar, Honors student, Dean's List every semester*

GITHUB:

You can view my personal Github portfolio at <https://github.com/sgutta/sgutta-personal-portfolio>.

- This link will not work yet as the repository is private. You can email me at one of the addresses above with your github information and who you are. I will then add you to the repository as a collaborator so you can view it.

WORK EXPERIENCE

Northrop Grumman Software Development Intern - Melbourne, FL

May 2019 - August 2020

- Incoming Software Development Intern in Aerospace Systems for Summer 2020
- System Engineering Intern in Cybersecurity for Summer 2019: Earned Top Performer award. Information about Projects is below.

Discotech Backend Developer

August 2019-Present

- Developing innovative technologies on the backend of Discotech's application to create competitive advantages
- Designed and implemented event recommendation system (using content-based filtering), implemented event review prioritization system, built Python tool to apply mass updates to Discotech's Wordpress site, migrated code base to Python 3 and more.
- Extensive information about projects completed at Discotech can be found on my github.

Discotech Marketing/SEO + Web Development Intern

November 2018 - August 2019

- Facilitated new client onboarding process, implemented 130+ venues into Discotech system
- Created new website pages and content on Wordpress site for improving SEO

USC Marshall Business Student Government Senior Advisor, VP, Head of Professional Affairs

Spring 2019 - Present

- Senior advisor for 2020 school year, VP in 2019 school year, and associate for Professional Affairs committee in Spring 2019
- Coordinate workshops and events on campus for students' professional growth (e.g. resume workshops, Freshman Business Week)
- Manage and utilize corporate relationships within Marshall Business School (e.g. Marshall corporate contacts database, KPMG case competition, Boeing case competition, Nike office tour, updating Marshall's career database)

Marketing/Management Intern for Dermatology practice - Melbourne, FL

May 2018 - August 2018

- Managed web updates, page creation on Wordpress. Directed video production (8 finished pieces), and editing for social media accounts.
- Managed medical and financial/health insurance records, performed inventory reconciliation

PROJECTS

Northrop Grumman STIG Tracking Tool

Summer 2019

- Developed a tool to standardize and automate system security STIG assessments and reporting that was adopted company-wide
- Allows storage, analysis of assessment data, identifies vulnerabilities in NG systems, and generates workflows for cybersecurity engineers based on the urgency of existing vulnerabilities.
- Reduced reporting process from 60+ hours to less than 5 minutes. Allows increased scope of assessments and accurate risk mitigation
- Built using Python, MS SQL Server, and SQL. Documented using UML and pydocs.

Northrop Grumman Communications Database

Summer 2019

- Developed a communications and employee resource management database in MS Access for the NG Cybersecurity Division
- Database identifies the skills of each employee, determines best fits for open positions, reports management and sector changes, and automatically notifies all employees of these changes. Detailed reports are automatically generated for management each month.
- Utilized MS Access, SQL, VBA, macros, and the Outlook Object Model

Boeing Case Competition at USC (2nd place)

- Made key decisions to maximize profitability of an upcoming aircraft model, performed a cost-benefit analysis, determined an aftermarket strategy, implemented a production and spares provisioning plan, and presented the plan to a group of Boeing executives.

The Lucky Back: An examination of its effectiveness

- Performed research over a period of a year to test the effectiveness of a leading posture improvement product (The Lucky Back)
- Provided research to the product's company for marketing purposes, research linked at <https://tinyurl.com/luckyback>

SKILLS AND INTERESTS:

On-Campus Organizations: USC Sports Business Association, USC Sports Analytics, Club Tennis, USC Association for Computing Machinery

Languages: Python, Java, C++, C

Web Design: HTML, CSS, Bootstrap, JSP, Java Servlets, Javascript, jQuery, AJAX, MVC Model

Relational Databases: SQL, MySQL, Peewee ORM, JDBC, MS SQL Server, pyodbc, UML

APIs: Google Maps API, Google Calendar API, Google OAuth2 and Sign-in API, Yelp Fusion API, Wordpress API

Web Scraping: Scrapy library in Python, Jaunt Library in Java

Other: Unit testing with pytest, flask, flask-admin, pydocs, WordPress, Visual Basic for Applications