

# SUMEET BANSAL

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## EDUCATION

### University of California, San Diego

*BS, Intended Computer Science*

La Jolla, CA

*September 2016 to June 2020*

Relevant Coursework:

CSE 11 Accelerated Introduction to Java

MATH 18

Linear Algebra

CSE 12 Data Structures and Object-Oriented Design

MATH 20C

Calculus and Analytic Geometry

CSE 15L Software Tools and Techniques

MATH 20D

Differential Equations

CSE 20 Discrete Mathematics for Computer Science

### Archbishop Mitty High School

*Graduated with Honors*

San Jose, CA

*August 2012 to May 2016*

GPA: 4.14. SAT: 2260. Awards: 2013 FIRST Robotics Competition CalGames System Design Award, 2015

FIRST Robotics Competition CalGames System Design Award.

## EXPERIENCE

### Actiance

*Engineering R&D Intern*

Redwood City, CA

*June 2017 to September 2017*

- Worked directly on the Rhine release of the Alcatraz platform.
- Developed an independent project that ensures parity across server configurations.
- Significantly shortened development cycles through a platform-specific suite of diagnostic tools.
- Created a flexible MongoDB-based query engine that generates detailed statistical server diagnostics.
- Integrated the query engine with an interactive web front-end to simplify and visualize the analytic process.
- Oversaw company-wide deployment and adoption across different teams (e.g. engineering, network operations) domestically and internationally (e.g. the Bangalore team).

### Zscaler

*Emerging Technologies Intern*

San Jose, CA

*June 2016 to August 2016*

- Developed a web visualization of global cyberthreats using live server data.
- Processed server data stream and systematically classified and prioritized various cyberthreats.
- Used the Google Maps API to project parsed threat data onto constantly-updating map.

## PROJECTS

### Triton Scheduler

- Developing a Chrome extension to easily populate Google Calendars with academic schedule for the quarter.
- Uses web scraping to parse and clean schedule data from the online WebReg class registration tool.
- Handles the user authentication and authorization process through the OAuth 2.0 protocol.
- Adds all academic events from the registration tool to Google Calendar via the Google Calendar API.

## EXTRACURRICULAR ACTIVITIES

### Rajasthan Association of North America

*Youth Director*

San Jose, CA

*February 2015 to February 2016*

- Served on the Executive Committee and helped organize community outreach and events.
- Developed an online system to easily add people to the organization's mailing list during the most-attended event of the year.
- Contributed code to the website for content and appearance.

### FRC Team 1351 – TKO

*Mentor, former Project Lead*

San Jose, CA

*September 2016 to Present*

- Provided input on robot design, overall team strategy, and software design.
- Participated in design reviews for various robot subsystems and post-competition SWOT analysis.

### Resource Area for Teachers

*Volunteer*

San Jose, CA

*August 2010 to May 2016*

- Created low-budget school projects for teachers to use in classrooms to demonstrate scientific principles.
- Handled accepting and sorting donations.
- Organized the Back to School summer sale.

## SKILLS & QUALIFICATIONS

**Skilled** – Java, HTML, CSS, Javascript, jQuery, LaTeX, Git, CAD, Hindi

**Proficient** – Python, C, MATLAB, SQL