

# Abhishek Bajaj

A highly passionate team player with a strong interest in generating insights in subjects related to human behaviour using both data and stories.



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## WORK EXPERIENCES

### Zeroth Labs, Intern

May 15 to Aug 15

- Researched on Urban Poverty in Singapore in houses under the Public Rental Scheme using tools such as Ethnography, Literature Review, and Systems Dynamic modeling.

### TabSquare Pte Ltd, Intern

May 15 to Jul 15

- Analysed big data from restaurants such as Maki-San, Kinara, and El Patio, and use it to generate key performance indicators so that the restaurants could make adjustments to increase profits.
- Learnt how to do visualisations using Tableau, Data Mining in R, and VBA in Excel.

### Zalora Singapore, Student Researcher

Oct 14 to Dec 14

- Initiated a university project, as part of my course, to investigate how Zalora could improve its brand image through CSR, social media, and co-branding using data analytics.

### City Form Lab, Research Assistant

Jul 14 to Aug 14

- Co-developed the design, development and assembly process of complex 3D structural geometries that cuts down the cost and time for manufacturing grid structures.
- Designed a grid structure made of cardboard panel that was used at an exhibition at Urban Redevelopment Authority to display the lab's work on urban design research.

## ACADEMIC PROJECTS

### Under The Hood project by Syinc, Project Assistant

Aug 13 to Nov 13

- Rendered unsolicited support in helping Syinc to liaise with other organisations such as Sustainable Living Lab and Opportunity Lab to arrange for prototyping equipment for the hackathon.
- Initiated and transcribed interviews of residents at Henderson and Lengkok Bahru which proved crucial in formulating the problem statement of the project.

### Humanitarian Engineering Alliance Practicum, Participant

Jun 13

- Developed thorough understanding, through research, of different problem statements in a short period of time.
- Aided different groups by giving the projects credibility and develop ingenuity in their solutions through background research. Resulted in a smart toilet for flood hit disaster prone areas.

## CO CURRICULAR ACTIVITIES

### Institution of Engineers Singapore-SUTD chapter President

Feb 15 to Jan 2016

- Co-Organiser and Facilitator of Humanitarian Engineering Alliance Practicum 2015. Soliciting funds of up to SGD 15 000 from various organisations for a month long hackathon for 30 university students island wide.
- Organised workshops for students in SUTD regarding social problems to discuss the issues and come up with solutions to the problem.

### Startathon 2014, Facilitator

Feb 14 to Mar 14

- Developed strategies and offered key insights into making a product to incentivise elderly to take medicines.
- Conceptualised the new idea to challenge the norm and approach the problem using a psychological approach, to use music as a reward measure for taking medicines; team was one of the finalists.

## EDUCATION

### Singapore University of Technology and Design

May 13 to Present

- Bachelor of Engineering (Engineering Systems and Design), Honours
- Relevant Coursework: Introductory Course to Object Orientated Programming (Python), Optimisation, Microeconomics, Operations Management, Statistics, Stochastic Modelling, Network Modelling, Simulation, Decision Analysis, Finance Theory.
- Expected Date of Graduation: August 2016

### Lyon Architectural Association School of Architecture Visiting School

May 14 to Jun 14

- Designed earthen shells of different morphologies with an international group of 20 architects using mixes of earth, fibres, sand, olive oil, washing liquid to pour on fabric, used as formwork.

## ADDITIONAL INFORMATION

- **Awards:** National Youth Achievement Award (Gold), Best Recruit Award.
- **Skills:** Adobe Suite, Rhino, Arduino, Laser Cutting, 3D printing, Python, Microsoft Excel for optimisation and regression problems, R, Prototyping, Tableau, Ethnographic Research, Sublime Text, QGIS
- **Interests:** Current Affairs especially of the Middle East, Public Policy Challenge 2015 semi-finalists focussing on Big Data, HealthCare, Education System restructuring.
- **Other links:** [https://www.academia.edu/17567427/Urban\\_Poverty\\_in\\_Singapore](https://www.academia.edu/17567427/Urban_Poverty_in_Singapore)  
<http://www.straitstimes.com/singapore/enlisting-public-to-fight-urban-poverty>