

# Aditya Zanwar

[www.azanwar.me](http://www.azanwar.me)  
[azanwar@usc.edu](mailto:azanwar@usc.edu)  
(650) 550-8012

## EDUCATION

B.S. Computer Science (Pre-Engineering) (Expected) May 2020  
University of Southern California, Los Angeles, CA  
Transferred in Fall 2017  
GPA: TBD

B.A. Mathematics, Economics 2015 - 2017  
The College of Wooster, Wooster, OH  
GPA: 3.57 (CS GPA: 4.0)

## SKILLS

C, C++, Python

## COURSEWORK

Deep Learning Specialization (Coursera) Calculus III  
Intro to Programming (C++) Probability & Statistics I  
Scientific Computing (Python) Linear Algebra & Differential Equations

## PROJECT EXPERIENCE

Cal Hacks 4.0 - Team of 5 Oct 2017  
Stocksense - Predict stock prices by using Machine Learning to understand market sentiment  
<https://jaspergan.github.io/stocksense-react>  
Used Node.js, React.js, Twitter API, Blackrock API, Google Natural Language Processing API  
Stocksense predicts a stock's closing price by performing sentiment analysis on recent relevant tweets using Google's Natural Language Processing API

TrojanHacks (1<sup>st</sup> Place) - Team of 4 Sept 2017  
Ridebot - an SMS chatbot used to book Lyft rides without internet access  
<https://devpost.com/software/ridebot>  
Used Node.js, Lyft API, Google Maps Geocoding API, Microsoft Bot Framework  
By the end: Implemented a fully functional chatbot on Facebook Messenger and Skype that could book, manage, and cancel rides (SMS not setup due to time constraints)

Mathematical Contest in Modeling - Team of 3 Jan 2017  
Meritorious Winner (Top 10%)  
99-hour long contest to submit a research paper in mathematical modeling  
Used Queueing Theory and Network Theory to model passenger flows at Airport security checkpoints and increase throughput  
Distinction awarded to top 10% of approx. 9000 teams worldwide

## WORK EXPERIENCE

Teaching Assistant 2016 - 2017  
The College of Wooster, Wooster, OH  
Courses: 'Morality, Dogma, and Reason'; 'Principles of Economics'  
Held regular office hours and review sessions; graded homework

Intern Summer 2016  
Haver Analytics, New York, NY  
Historical time-series macroeconomic database company  
Found and resolved outliers and inconsistencies in data using Excel and proprietary software for 800+ series