



EDUCATION

University of Illinois at Urbana Champaign

B.S. Electrical Engineering

May 2020

EXPERIENCE

Salesforce

Technical Program Manager Intern

May'18 to Aug'18

- Delivered four different projects from scratch by working across multiple cross-functional teams, understanding user needs of multiple stakeholders, industry products and practices, while prioritizing problems to be solved.
- Devised an Ethereum driven internal credit system for budgeting, thus creating accountability and visibility for spend on compute resources.
- Designed a multi-cloud monitoring strategy bringing monitoring services from multiple clouds (public and private) to one unified platform.
- Developed a framework and proof of concept for a Bots as a Notification and Control Service for site-reliability, improving response times to incidents.
- Defined success metrics and how they should be measured for private IaaS, along with a new Markov reward chain model to predict availability.

AARP (contracted by AllSource)

Voice Enabled Technology Development Intern II

Aug'17 to Dec'17

- Developed automation tools potentially reducing stress on tech support by 40%, with cost savings of around 30% and 24/7 availability, by leveraging the Microsoft Bot Platform developed on Azure, using Cognitive Services.
- Prototyped a proof of concept for the service in 2 weeks after ideation at the end of the summer and was thus asked to return.

Voice Enabled Technology Development Intern

May'17 to Aug'17

- Conceived and prototyped a project to solve isolation amongst elderly potentially driving impact for 38 million members by utilizing the Google Home platform, Dialogflow.com, Python, Flask, Twilio, and SQLite.

OTCR Consulting

Project Manager

May'18 to Aug'18

- Managed a team of 3 developers across the country to develop a new website for the firm, led the creative vision, design and functional needs and tech specs, while personally writing PHP scripts for applications.

Consultant

Feb'17 to May'18

- Overhauled the e-commerce operations of a B2B Fortune 500 by delivering a product strategy and tech implementation roadmap having analyzed the competitive landscape, industry best-practices and customer surveys.
- Developed a go-to-market strategy for an ad-tech startup which uses machine learning and big data for targeted marketing.

Illini Internet of Things Association

Founding President

Jan'17 to Present

- Founded the University's first IoT student organization with a co-founding team of 5, raising funds and support from Microsoft, Graybar and ReadWrite.
- Increased operational efficiencies and drove customer value for a Fortune 500 B2B by recommending use cases and process-flow charts for using Voice-Enabled Technologies across the company's value chain.
- Featured in the News-Gazette as the "youngest high-tech innovator" for starting the organization.

Juniper Networks

Intern

Jun'15 to Jul'15

- Drove down costs and increased conversions by recommending a new digital-first sales and marketing strategy
- Explored market opportunities by researching the Internet of Things and received an appraisal letter from the CTO

RELEVANT COURSEWORK

Past

Computer Systems and Programming • Data Structures • Foundations of Data Science • Analog Signal Processing • Probability with Engineering Applications • Tech Entrepreneurship - Creativity, Innovation, Vision • Introduction to Media Sales • Hoeft Technology and Management Seminar

Current

Photonic Devices • Digital Signal Processing • Digital Systems Laboratory • Internet Security

PUBLICATION

Internet of Things (IoT) the Next Big Revolution

International Journal of Advanced Technology in

Engineering and Science

Jan'16

PROJECTS

Ask Eliza (Amazon Echo Skill) Jan'17 to Feb'17

- Developed a skill using the Intel Edison to monitor the user's temperature and pulse
- Used the IBM Watson API to perform personality analyses and give feedback via email

First Iteration Autonomous Car Aug'16 to Dec'16

- Assembled and programmed an "autonomous" car, by mounting two ultrasonic sensors on a servo to sweep and map the area around the car to navigate an obstacle course intelligently

Emergency-Response Automation

Dec'14

- Theorized a 50% reduction in response time for ambulances by designing a system to automate emergency response by using Cell Tower Triangulation and GPS Enabled ambulances.
- Interning at the Indian Institute of Technology, developed a proof of concept proving the hypothesis using Python and Google Maps API.

SKILLS/Frameworks

Languages, Frameworks and Tools

Python • C • C++ • SQL • SystemVerilog • PHP • Tableau • GCP • AWS • Shell • Flask • Git • SVN

Project Management

Agile/Scrum • Project Scheduling and Discovery • Budgeting • Design Thinking • Six Sigma

AWARDS

GIIS Global Citizen Scholarship

2014-2016

- Scholarship worth 90,000SGD awarded to 6 Indians to complete their schooling, pursuing the international baccalaureate diploma in Singapore

Think Chicago-Chicago Ideas Week

Oct'17

- Proposed using predictive analytics to prepare families in the Chicago public school system for college expenses, with targeted budgeting, loan assistance and scholarships.
- One of 5 teams selected from 20 teams comprised of 200 top students from across the country as part of the civic tech challenge