JONATHAN J. XU

Education

University of Illinois at Urbana-Champaign
Aug 2015 - Present

B.S. Computer Engineering (2019), GPA: 3.99
Engineering Dean's List (Fall 2015, Spring 2016), James Scholar
Relevant Courses: Introduction to Computing, Computer Systems & Programming, Data Structures

Experience

Data Intern, Corporate Executive Board
Oct 2015 - Present

- Worked with a team of UIUC students and professionals at CEB.
- Managed data within Hadoop clusters using tools such as Hive and Sqoop
- Created, populated, managed an ElasticSearch index and built data visualizations using the Kibana interface
- Built user interfaces and data visualizations for marketing data using D3.js

Team Captain, FIRST Tech Challenge Robotics
2011 - 2015

- Managed a team of 8 engineers 12+ hours/week to build a competitive robot
- Used Autodesk Inventor to design and prototype ideas
- Two time participant at the FIRST World Championship

Projects

Grapevine
Mar 2016 - Present

- Grapevine is a social event finding iOS and Android app where users can post hosted events or find ones happening near by
- Worked on a RESTful API backend architecture to manage app data
- Built using Node.js, Express, Chai, and Socket.IO with a MongoDB database

ScavAR
WildHacks, 2015

- Augmented reality scavenger hunt mobile application where specific tokens generate animated, three dimensional models on the user's screen
- 1st place winner, Paypal/Braintree Most Disruptive Use of Braintree SDK or Paypal API
- Built using Unity, Vuforia, and Ruby on Rails

BarleyNet
BudLabs Hackathon, 2016

- Web and mobile application to connect agronomists with farmers
- Built with Node.js, MongoDB, D3.js, and Swift

Ask Political
SpartaHacks, 2016

- Alexa Skill for informing voters about elections, and relevant political news
- Built with Node.js, NYT API, and hosted with AWS Lambda

Campus Involvement

RedC Robotics Lead Web Developer
Sep 2015 - Present

- Created redcrobotics.com using Node.js, Express, and MongoDB
- Website used as a promotional tool as well as a way to manage team applications, contact, and member information

Details

- 847-387-2018
- jjxu3@illinois.edu
- in /in/jonathanjxu
- /jc3m

Languages

C/C++

HTML/CSS

Java

Javascript

Python

Ruby

SQL

Technologies

D3.js

Git/SVN

Linux

MongoDB

Node.js

Ruby on Rails