

# JONATHAN XU

## Education

**University of Illinois at Urbana-Champaign** Aug 2015 - Present  
B.S. Computer Engineering (2019), GPA: 3.99  
Engineering Dean's List (All Semesters), James Scholar  
**Relevant Courses:** Data Structures, Computer Systems Engineering, Advanced Data Science

## Experience

**Software Engineering Intern, MongoDB** May 2017 - Aug 2017  
▪ Software engineering intern on MongoDB's Cloud Backup Team  
**College Practicum, Caterpillar** Jan 2017 - May 2017  
▪ Developed an interactive web application used to analyze video footage  
▪ Built with AngularJS and D3.js for data visualization and analysis  
▪ Interfaced with a REST API to save and retrieve data from a MySQL server  
**Data Engineering Intern, CEB** Oct 2015 - Dec 2016  
▪ 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

## 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 MySQL database  
▪ Hosted on AWS using Elastic Beanstalk for the server, S3 for image/video uploads, and RDS for MySQL hosting

**Enrich** MHacks 9  
▪ Enrich introduces beginners to investing by automatically upcharging purchases and putting the extra charge into a portfolio that reflects past transactions  
▪ Winner of Best Financial Hack presented by Capital One and best use of AWS  
▪ Built using Swift, Node.js and MongoDB, hosted on AWS Elastic Beanstalk

**Itineratr** HackIllinois, 2017  
▪ Itineratr is a web application that generates travel itineraries for vacationers  
▪ Winner of Small World prize presented by Amadeus  
▪ Built using AngularJS, Node.js, and Microsoft Azure

**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

## Details

☎ 847-387-2018  
✉ jjxu3@illinois.edu  
in /in/jonathanxu  
🌐 /jc3m  
🏠 1012 W Illinois Street  
URH 516 Wardall  
Urbana, IL, 61801

## Languages

C  
C++  
CSS/Sass  
HTML  
Java  
Javascript  
Python

## Technologies

AngularJS  
D3.js  
MongoDB  
MySQL  
React

## DevOps

AWS  
Git/SVN  
Linux

jonathanjx.me

