

SHASHANK SAXENA

✉ ssaxen4@illinois.edu 🌐 shashanksaxena.me ☎ (847) 804-4128 in linkedin.com/in/shank96 📄 Salil999

► EMPLOYMENT

Capital One · Data Engineering Intern

May 2017 to Current

- Designed scalable architecture and database schemas for use with existing Capital One technology
- Implemented a 4-way pipeline to process big data and served content through RESTful web API
- Worked with Apache Kafka, Accumulo, Spark, and Flask

Reconstruct · Software Engineering Intern

Sep 2016 to Dec 2016

- Worked in the initial stages of startup that dealt with visualizing construction sites
- Maintaining backend server that serves as a portal to the website
- Using Node.js, AWS S3, and GitHub

StateFarm · Software Engineering Intern

May 2015 to May 2016

- Implemented an internal Windows application that let marketers keep track of incoming customers
- Used VB.NET and Microsoft's Jet engine
- Updated and completely reworked internal website for interns
- Used MEAN stack with backend focus

NCSA · Software Development Intern

Jun 2017 to Current

- Designed a revision control system that is being used across several clusters of nodes
- Deployed GitLab and included scripts to generate log files
- Used Python to handle all automation and logged all data into CSV files. Used numpy and pandas to view and export data

AllState · Application Developer Intern

May 2016 to Aug 2016

- Automated a large chunk of the processing of policy information
- Worked mostly on internal web apps (backend)
- Used C# and XML in Visual Studio along with SQL Server Management Studio with LINQ queries

DotStar · Project Manager

Aug 2015 to Dec 2015

- Selected for course staff for CS196 - Honors introductory class
- Worked on Android app that would incorporate several different social networking sites into one centralized location
- Lead a team of freshman using the Android SDK, and various social networking APIs

► PROJECTS

Enrich - Hackathon (Sponsor Winner)

- Developed backend to app that would take portion of payments and invest it in the receiving business
- App intended for people with limited knowledge of the stock market to implicitly invest into stocks
- Used Node.js, ExpressJS, MongoDB and GitHub

phoneify - Open Source Contribution

- Built an npm module that would ease in the parsing of US phone numbers in a couple of different formats
- Over 1000+ downloads

Riskulizer - Hackathon (2nd Place Winner)

- Developed backend to app that visualized data from calamities and displayed affected areas
- Goal was to convert data into a visualization (around 100k+ data points)
- Used Flask as a RESTful API service, and various front-end graphing libraries in JavaScript

Homefront - Hackathon

- Created a Pebble smartwatch app that gets the status of your home based on sensor information
- Used CloudPebble with PebbleJS and AllState's Internet of Things (IoT) API

MangOS - Team Project

- Designed a kernel from nearly nothing
- Implemented file systems, hardware initializations, execute/halt, interrupts, and scheduling
- Used C and x86

VRMD - Subteam Lead Developer

- Updated VR project dealing with safety awareness training focusing on laparoscopic and heart surgery with human body
- Used Unity, C#, and the Oculus SDK with Oculus Touch integration

Many more on GitHub!

► EDUCATION

University of Illinois
Urbana-Champaign

B.S. Computer Engineering 2018

► SKILLS

EXPERIENCED WITH

Java
C++
C
x86
Python
JavaScript
Node.js
HTML/CSS
VB.NET/C#
SharePoint

FAMILIAR WITH

SQL
Swift
MATLAB
Django
React.js
React Native
SharePoint
Apache Products
NoSQL

► COURSES

Virtual Reality
Data Structures
Computer Systems & Programming
Discrete Structures
Data Science
Machine Learning
Operating Systems
Text Information Systems

► ACTIVITIES

Chair of SIG VRST
ACM@UIUC
SIG WebMonkeys
ADSA