

# Arsh Khandelwal

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## EDUCATION

**UNIVERSITY OF ILLINOIS**  
**URBANA - CHAMPAIGN**  
**BS IN COMPUTER SCIENCE**  
Expected May 2019  
Champaign, IL  
James Scholar Honors

## LINKS

Github: arshk123  
LinkedIn: /in/arshkhandelwal  
Instagram: arshkhandelwal

## SKILLS

### PROGRAMMING

Experienced:

Python • Javascript (React, Node) • C •  
C++ • SQL • Haskell • WebDev •

Databases

Proficient:

• Jenkins • AWS Stack • MongoDB •  
OpenStack • Bash

• Familiar:

Verilog • Assembly • Docker • Flask • iOS  
• Java

## COURSEWORK

### SOFTWARE

Applied Machine Learning  
Algorithms  
Compilers  
Systems Programming  
Computer Architecture  
Data Structures  
Database Systems  
The Art of Web Development  
UI/UX Design  
Object Oriented Programming  
Text Information Systems

## INVOLVEMENT

Founders Entrepreneurs  
Engineering EXPO  
NOBE Illinois

## HONORS/AWARDS

Eagle Scout (Troop 508)

## EXPERIENCE

### NVIDIA | SOFTWARE ENGINEERING INTERN

September 2018 – Present | Santa Clara, CA

- Developing an app store and dashboard for easy deployment and management of metric collectors for a big data platform
- Handling end to end deployment of elastic beats from app store to cloud and integration with a metrics visualization dashboard

### PLATFORM9 | SOFTWARE ENGINEERING INTERN

May 2018 – August 2018 | Sunnyvale, CA

- Automated OpenStack failure analyses with log parsing, dependency graph visualization, and auto-healing, approximately halving failure response time
- Architected new testing frameworks that relied on OpenStack's newest resources reducing testbed deployment failures by 25%

### ABBVIE | SOFTWARE ENGINEERING INTERN

October 2017 – April 2018 | Champaign, IL

- Designed AWS instance management platform for research teams
- Developed a backend for logging and auditing AWS operations

### BALBIX | SOFTWARE ENGINEERING INTERN

May 2017 – August 2017 | San Jose, CA

- Built a labelling pipeline for the ML team's unsupervised learning models
- Utilized unsupervised clustering algorithms to reduce repeated similarities in datasets, which effectively halved the amount of data labelling required
- Realized 30% accuracy improvement in classification models

### BALBIX | IOS INTERN

May 2016 – August 2016 | San Jose, CA

- Designed and developed an iOS application to serve as a TCP/IP network analyzer used as a proof of concept and data mining tool
- Collaborated across teams to research and establish metrics for indicating high risk devices and activity from a networking perspective

## PROJECTS

### HATTR.IO | WEB DEV FINAL PROJECT

December 2017 | Backend Developer

- An online social marketplace for sharing outfits of the day and connecting to clothing retailers
- Developed a MongoDB backend with Node.js web server with a focus on performance and responsiveness

### CRIME TRACKER | DATABASE SYSTEMS FINAL PROJECT

December 2017 | Full Stack Developer

- A crime reporting and tracking tool for the immediate Chicago area
- Optimized a backend with over a million rows for near-instant retrievals and operations and developed a responsive frontend in react