

# Abdullah Suhail

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## Education

### College of DuPage

A.A.S Computer & Internetworking Technologies | GPA: 3.8

### Illinois Institute of Technology, Transfer Student

Bachelor and Master of Information Technology & Management |  
Undergraduate GPA: 3.95 |  
Graduate GPA: 4.0

- Specializing in IT Infrastructure, Expected Graduation 2019

## Skills

### Programming Languages

- Java SE & Java EE
- HTML/CSS
- PHP
- JavaScript
- Python
- Bash
- Perl
- C (Novice)
- C++ (Novice)

### Operating Systems

- Windows XP, Vista, 7, 8, 8.1, 10, Server 2008 R2, Server 2012, Server 2016
- Ubuntu, Debian, Linux, Fedora, Kali Linux

### Security

- Malware analysis & detection
- Firewall configuration
- Intrusion Detection & Prevention Systems

### Cloud Platforms

- Amazon Web Services

### Version Control Systems

- Git (GitHub)

### Database Engines

- Microsoft SQL Server
- Oracle DB
- MySQL

### Networking

- Configuration and deployment of Cisco switches and routers

## Achievements & Accolades

Honors Program, Honors Student, Phi Theta Kappa Honor Society – College of DuPage

Dean's List – Illinois Institute of Technology

- Fall 2016, Spring 2017, Fall 2017, Spring 2018

ITM Featured Student – IIT

## Experience

### Field Service Dispatcher, Life Fitness

Sep 2018 - Present

- Working as dispatcher with Field Service Administration team at Life Fitness coordinating the Fieldwork done by Life Fitness Techs and ISOs in order to maintain balance among the technicians and resolve tasks/trouble tickets

### Modeling Technician, Khan Consultants

Dec 2014 - Mar 2015

- Made digital models of objects via 3D scanning and offered products and services using 3D imaging technology for various tasks
- Assisted in Reverse Engineering 3D scan data to create CAD models

### Store Manager, Dunkin' Donuts

Nov 2013 - Aug 2014

- Promoted to Manager, Stone Park Location
- Was recognized as the best bagel maker on North Avenue

### Shift Leader, Dunkin' Donuts

Feb 2013 - Nov 2013

- Morning Shift Leader trusted to open up shop at 4 am everyday
- The go-to guy to placate customers with complaints

## Projects

### Indoor Location via Bluetooth Beacon Technology

- Developed the back end to consume data collected by Bluetooth devices
- Utilized Trilateration algorithms to determine location via distance to nearby Bluetooth beacons
- Implemented webRTC using agora and front end with HTML/CSS & JavaScript

### Cloud-based Image Processing Application

- Developed and Implemented front end using HTML/CSS and back end using cloud infrastructure deployment scripts, PHP, AWS SDK for PHP, and JavaScript
- Utilized EC2 instances, custom configured AMIs, load balancers, auto scaling groups, Amazon S3 storage, Amazon CloudWatch, Amazon Simple Notification Service, Amazon Simple Queue Service, and Amazon Relational Database Services to allow application to process thousands of pictures simultaneously

### Python TV Show Rating Application

- Designed GUI application using tkinter that allowed users to rate TV shows
- Implemented back end using sqlite3, requests, and BeautifulSoup4 for web scraping
- Used numpy and pygal to analyze and display rating data

### Java ATM Machine Application

- Designed modular GUI application that mimicked an ATM machine and utilized Java's swing library

### Java Trouble Ticket Application

- Designed GUI application to collect and store trouble tickets created by users
- Implemented back end using MySQL via phpMyAdmin

### Data Center Design Project

- Designed a 15,000 ft<sup>2</sup> Data Center with a Total & Critical load of 5 MW and 3 MW respectively
- Built for five-nines (99.999%) availability with a PUE of 1.86. Designed Equipment, Power, and Cooling systems. Designed custom floor plan to fit and effectively cool all equipment

### Docker Cluster Design Project

- Designed a Docker Cluster from the ground up using several HP & Cisco servers, switches, and routers

### Crimeboss Exploit Kit Analysis

- Performed advanced static & dynamic analysis of Crimeboss malware using Virtualbox, Wireshark, Dependency Walker, OllyDbg, and various other monitoring and analysis tools

### SecurityOnion Intrusion Detection Project

- Installed and configured SecurityOnion to function as an IDS and NSM for a virtual network
- Custom-configured SecurityOnion tools such as Sguil, ELSA, and Squert to monitor network security. Wrote custom snort rules to meet the specific needs of the project