**Kush Patel**

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**OBJECTIVE**

Seeking an internship position where I can utilize my strong analytical and problem-solving skills acquired in the classroom and gain real world experience in a team oriented company.

**EDUCATION**

**University of Illinois Urbana-Champaign,** Urbana, IL **August 2016 - May 2020**

Bachelor of Science in Computer Engineering

**RELEVANT COURSEWORK**

* Computer Systems Engineering
* Artificial Intelligence
* Data Structures in C++
* Data Analytics and Algorithms in R
* Logical Synthesis
* Probability with Engineering Applications

**SKILLS**

**Software:** MS Office, Git, SVN, FL Studio, Adobe Premiere, Adobe Photoshop

**Operating Systems:** Windows XP/7/10, Mac, Linux, QNX

**Programming:** C, C++, Python, R, Assembly (x86), Machine Code, HTML, CSS

**Database:** MS Access, SQL Server, PostgreSQL, mySQL

**Other:** Agile Methodologies

**WORK EXPERIENCE**

**Zebra Technologies,** Lincolnshire, IL **May 2018 – August 2018**

Engineering Internship, Firmware Development

* Integrated various sensors to develop early warning system for clients
* Developed an algorithm to determine threshold for printer's early warning system
* Developed the framework to collect and analyze various printer metrics in C++
* Created customizable databases in SQLite to store various printer data

**University of Illinois Urbana-Champaign,** Urbana, IL **August 2018 - Present**

Operational Manager, Technology Services

* Manage a network that consists of over 100 computers across 6 labs
* Printer Troubleshooting, Network Management, Database Maintenance
* Lead a team of 60 employees through various lab procedures
* Optimized ticketing system by automating alerts to relevant employees

**Zebra Technologies,** Lincolnshire, IL **May 2017 – August 2017**

Engineering Internship, Advanced Development

* Improved testing automation through Python scripting
* Collaborated with electrical engineers to create audio/visual notification signal for clients
* Created data analytics methodology using various sensors, Python scripting, and PostgreSQL databases
* Worked on web app development in HTML and CSS

**University of Illinois Urbana-Champaign,** Urbana, IL **November 2016 – August 2018**

Computer Lab Technician, Technology Services

* Support faculty, staff, students and retirees to troubleshoot and repair computer problems
* Operating System and Software installation, Networking Configuration
* Enforce the ICS Lab Policies and promote a proper learning environment

**JD Electronics Inc,** Roselle, IL **January 2016 – August 2016**

Customer Support Technician, Point of Sale Division

* Responsible for installing, configuring and troubleshooting Point of Sale related software and hardware.
* Provide on-site customer training for system functionality and debugging techniques.
* Enhance operation manual and troubleshooting guide which helped improve customer satisfaction.

**Kumon Math and Reading Center,** Bloomingdale, IL **May 2015 – April 2016**

Head Tutor of Math

* Distributed and grade homework assignments as well as taught students mathematical concepts
* Developed a method to improve the accuracy of grading and returned papers to students.

**RELEVANT PROJECTS**

* **Mission Control Arcade Game:** Made replica of the Mission Control game using Assembly (x86).
* **Custom Wristband Printer:** Worked with the team at Project Syncere to develop a python script that allowed kids of all ages were invited to print their own custom wristband and ID by scanning a provided barcode.
* **Stack Calculator:** Created a basic calculator in assembly which used Reverse Polish Notation to compute math problems. Able to do addition, subtraction, multiplication, division, and exponent function.
* **Vending Machine:** Created the circuitry for a basic coin-operated vending machine