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