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 **(GPA 3.16/4.0)**

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:	Git, SVN, MS Office, 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

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   **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

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 who 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.