

Kushagra Gupta

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Education

University of Illinois at Urbana-Champaign, BS. Computer Engineering, Junior Champaign, IL, 2016-20
Provost Scholarship - One of 30 students to receive Full Tuition scholarship for academic excellence GPA: **3.96**/4.00
Chancellor's Scholar, Engineering James Scholar - One of 125 students to participate in honors curriculum

Hoelt Technology and Management Program
One of 30 engineering students selected for cross-disciplinary business minor focused on management in the tech field

Illinois Mathematics and Science Academy, GPA: **4.00**/4.00 Aurora, IL, 2013-16

Experience

KPMG LLP, Technology Advisory Intern | Cognitive Automation Chicago, IL, June - Aug 2018
Collaborated on engagement leveraging machine learning to streamline client HR processes and cut onboarding time
Automated the training process for a context-based translation engine applicable across a range of business functions
Developed versatile codebase (NodeJS, Python) prioritizing reusability for future clients, allowing repeat monetization

Misty Robotics, Formerly Part of Sphero, Electrical and Computer Engineering Intern Boulder, CO, May - Aug 2017
Built and programmed embedded FPGA boards that shipped in the developer release of the core product, the Misty I robot
Designed a display format conversion system to reduce costs by enabling the use of a more economical screen
Collaborated with Chinese manufacturing team to develop new motor control system for the robot's commercial release

ParkWhiz LLC, Software Development Intern Chicago, IL, Nov 2015 - July 2016
Implemented an analytics platform on Parkwhiz applications to drive meaningful change by leveraging customer data
Deployed a data-driven targeted marketing plan that increased site traffic by more than 5 percent over one month

Leadership

OTCR Consulting, Partner | Professional Development University of Illinois at Urbana-Champaign, 2016-18
Led project with Microsoft to develop novel blockchain implementation models as potential services for Microsoft Azure
Coordinated with client to define project scope and managed project process for 10-member team to build deliverables
Headed initiative to establish quality standards for deliverables across 10+ projects by producing template slide deck

IEEE + ECE Pulse, Marketing and Design Director University of Illinois at Urbana-Champaign, 2017-18
Coordinated design and advertising across print and digital media platforms for 2 week-long event hosting 1000+ students
Executed brand redesign and created new logo with corresponding design language guidelines to promote conference

Indian Student Association, Creative Design Chair University of Illinois at Urbana-Champaign, 2016-18
Organized more than 12 events each year promoting Indian culture and built a social media presence of 3,500+ followers
Revamped design language outline to establish consistency between outreach using print advertising and digital media

Projects

Operating System Migration Compatibility Testing Champaign, IL, 2017
Solved compatibility issues in stats software ahead of a planned OS migration for a Fortune 500 pharmaceutical company
Developed technical resources and tools (Perl) to streamline the statistics manipulation process on Linux and Windows

Stabilized Reaction Wheel Pendulum Champaign, IL, 2017
Derived mathematical equations describing the RWP and suitable controller+observer models to stabilize the system
Implemented controller on a physical RWP, achieving stability at the inverted loc and swing-up control for the pendulum

Skills

Current Classes	ECE422: Computer Security	CS374: Algorithms	TGMT367: Management of Tech & Innovation
Selected Past Classes	ECE391: Computer Systems Eng.	CS425: Distributed Systems	CS431: Embedded Systems
	ECE486: Control Systems	ECE313: Probability in Engineering	CS225: Data Structures
Languages	C, C++, Java, Javascript, HTML, CSS, Arduino, Python, MATLAB, Assembly Programming (x86, LC3)		
Technical Software	Git, SVN, Eclipse, Verilog, Quartus, Altium, Adobe Photoshop/Illustrator/Lightroom/Premiere, L ^A T _E X		

Interests

Cooking

Graphic Design

Photography

Music