

Luke Houge

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Education	Wayzata High School , Plymouth, MN	September 2014- June 2018
	University Of Wisconsin Madison , Madison, WI Pursuing Bachelor of Engineering in Computer Engineering and Bachelor of Science in Computer Science	Expected Graduation: May 2022
Experience	Computer Systems Lab— Student Systems Administrator , Madison, WI	August 2018 - Present
	<ul style="list-style-type: none">Responsible for supporting and administering thousands of Windows and Linux workstations and servers in the UW Computer Sciences department used by over 3,000 education and research usersManaging and maintaining the networking infrastructure by diagnosing, monitoring, and sustaining servers and network equipment such as routers, firewalls, and switches in the Computer Sciences data centerMonitor network intrusion prevention/detection, monitoring tools, and log management systems to detect and/or prevent problems with department IT servicesResponsible for automation of various internal tasks, such as account creation, running backups scripts, inventory system using MVC based web-apps, and switch port management.	
	Target— Electronics Team Trainer , Medina, MN	June 2016 - Present
	<ul style="list-style-type: none">Assist guests in the electronics department with friendly, helpful, and available service while presenting a clean and organized departmentAs a team trainer, expected to train new employees and serve as an open and valuable role model	
	Technology Consultant for Singh360 , Plymouth, MN	May 2018 - Present
	<ul style="list-style-type: none">Designed a new website, App Store Optimization (ASO), network and VPN access (in progress) for Singh360	
	Website Development for Metro Anesthesia Services , Minneapolis, MN	June 2018- August 2018
Relevant Skills	<ul style="list-style-type: none">Was hired to create a new website for an in office anesthesia company consistent with the companies message and marketing goals as well as providing a contact form with custom domain email service	
	Network Designs, INC.— General Support and Shadowing , Plymouth, MN	May 2015 - September 2015
	<ul style="list-style-type: none">Assisted in the warehouse by maintaining an orderly and efficient backroom and work centerShadowed employees in setting up and provisioning Cisco Routers and Switches for an enterprise install	
	Programing Languages — HTML, CSS, Javascript, Java, Node.js, Visual Basic, Python, LC-3, MySQL, MongoDB	
	Software — Windows, MacOS, Linux Ubuntu/Redhat, Photoshop, Microsoft office, Acronis backup, AWS, Apache, vmWare ESXi, vSphere, Veeam Backup, Nagios, RT Ticket System, Git, Travis-CI, Electron, Jest, CI/CD	
	Concepts — Code based web design, and development; network administration using Cisco and Ubiquiti	
	Certifications — CompTIA A+ Certification, CompTIA Network+ Certification (IP), Cisco CCNET Certification (IP)	
Activities	Coursework — Introduction to Networks (CCNA 1), PC Troubleshooting, Engineering Concepts, Java 3, Calculus 3, Digital Systems Fundamentals, Intro to Discrete Mathematics	
	Badgerloop— Website Team Lead & Software Team Member , UW Madison	August 2018 - Present
	<ul style="list-style-type: none">Student organization tasked with designing and building a hyper loop pod (badgerloop.com)Created a CRUD web-app running on NodeJS, Express, Handlebars, and login using the Slack APIWebsite team lead responsible for obtaining and configuring a new Apache web server on Ubuntu 18 Server to run the website, as well as a CRUD web-app to manage our databases.Software member responsible for designing new pod dashboard. Utilized HTML, CSS, and JS to create a dynamic and interactive display for vital sensor information relayed from the pod by a node.js backend coupled with MongoDB that is intuitive and succinct.	
	Artificial Intelligence Club— Executive Board Member , UW Madison	January 2019- Present
	<ul style="list-style-type: none">Student organization dedicated to learning and working on AI problems and research (uw-ai.com)Executive board member responsible for website development, and club brand representation	
	Business Professionals of America (BPA)— President , Wayzata High School	September 2014 - June 2018
	<ul style="list-style-type: none">Club president for 2017-2018 season, responsible for organizing, and leading all club activitiesReached national competition three times, placed 2nd in the nation for web design two years in a row, finalist at national conference for Systems Administration using Cisco, placed 1st in the state conference for Systems Administration Using Cisco and PC Servicing and Troubleshooting three years in a row	
Projects	Tennis , Wayzata High School	May 2015 - July 2017
	Usher (volunteer position) , Lord of Life Lutheran Church	October 2016 - June 2018
	Personal Website (lukehouge.com)	Badgerloop Website and Server (badgerloop.com)
	BPA 2018 Website (lukehouge.com/bpacares)	BPA 2017 Website (lukehouge.com/techly)