

Hardware Architect Hardware Architect Hardware Architect Bartlett, IL Work Experience Hardware Architect IWU Computer Organization - Bloomington, IL January 2019 to April 2019 Used the MIPS 32-bit Instruction Set Architecture to translate high-level code into low-level assembly language and gain a solid understanding of how a CPU fetches and executes instructions Took part in designing a unique and original architecture for a 10-bit CPU, inspired from the MIPS architecture Designed and built the Decode/Control unit for that CPU that decodes the 16-bit instructions and relays the necessary control signals to other components of the CPU President, Tau Kappa Epsilon, IWU COLLIGIATE ORGANIZATIONS - Bloomington, IL January 2018 to December 2018 Managed all organizational affairs and provided strategic direction for the fraternity Oversaw the organization and coordination of philanthropy events for St. Jude Children's Research Hospital Communicated effectively with executive board to achieve fraternal goals Network Administrator Wintrust Technology - Rosemont, IL May 2018 to August 2018 Maintained a secure and organized Active Directory Provisioned user's access to network folders, distribution groups, and shared mailboxes Monitored the ticketing system (Ivanti HEAT Software) Collaborated with other IT Departments to ensure tasks were completed in a timely and orderly fashion Programmer Bloomington, IL January 2017 to April 2017 Programmed Python scripts that implemented a master-worker architecture for the trapezoidal approximation (integration) algorithm Connected via SSH to Hyperion, a multi-node super computer to run the algorithm in true parallel Automated data collection to find and analyze runtime trends specific to the nature of this architecture/parallel programming in general Developer IWU - Bloomington, IL August 2016 to December 2016 Used HTML/CSS/Javascript for front-end web design in conjunction with the mechanics of server-side programming (python) to create a simple yet interactive blog site Used teamwork to schedule responsibilities between group members that culminated in the creation of our own application Resolved complex problems while utilizing critical thinking and time management skills Programmer, Anchor Mechanical Chicago, IL June 2016 to August 2016 Programmed Python scripts to automate calculations on Microsoft Excel to maximize program efficiency Calculated averages and costs based on measurements from various HVAC systems in the Hancock Building Worked with

technicians and engineers on managing a schedule that dictates various calculations or variables in the script Saved time and operating costs by automating tedious/redundant calculations Education Bachelor of Science in Computer Science in Business Administration Illinois Wesleyan University - Bloomington, IL May 2019 Skills assembly (Less than 1 year), Assembly (Less than 1 year), C+ (Less than 1 year), CSS (Less than 1 year), HTML (Less than 1 year), Java (Less than 1 year), Javascript (Less than 1 year), Microsoft Office (Less than 1 year), MIPS (Less than 1 year), MS OFFICE (Less than 1 year), python (Less than 1 year), Ruby (Less than 1 year), SQL (Less than 1 year), WireShark (Less than 1 year) Links <https://github.com/xshyti/repository.git> <http://www.linkedin.com/in/xhoi-shyti-049024154> Additional Information COMPUTER SKILLS Proficient in Python, Java Experience in HTML, CSS, JavaScript, Ruby, C++, SQL, MIPS Assembly Experience using Microsoft Office, WireShark, Logisim, MySQLWorkBench

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