Simon Chen

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EDUCATION

Bachelor of Science in Computer Engineering   **Exp Grad: Dec 2025**
Missouri University of Science and Technology   Rolla, Missouri
GPA: 3.964/4.0

Coursework: Data Structures, Digital Logic, Computer Organization and Design, Microcontroller Embedded Design, Circuits I & II, Devices, Discrete Math for Computer Science, Computer Science C++ & Python, Calculus I, II, & III, Linear Algebra, Differential Equations, Engineering Physics I & II

SKILLS

Software Proficiency: C++, Python, Java, Assembly, HTML, CSS
Software Technologies: Altera ModelSim, Altera Quartus II, Visual Studio Code, Pandas, OpenCV, Git, Putty, Microchip Studio, Excel, Microsoft 365, NodeJS
Hardware Expertise: Altera FPGA, ATmega324PB, Oscilloscopes, Multimeters, Breadboards, PCB's
Languages: English (Native), Mandarin Chinese (Proficient), Fujianese (Beginner), Spanish (Beginner)

EXPERIENCE

Peer Learning Assistant | *Missouri University of Science and Technology*   *Jan 2022 – Present*
- Facilitated comprehension of high-level math, circuit design, and computer science for fellow college students through effective tutoring strategies
- Improved study techniques and habits among students, contributing to their academic success
- Collaborated with a large team of Peer Learning Assistants to create an enhanced learning environment for college students on campus

Electrical Engineering CO-OP | *Hunter Engineering Company*   *May 2023 – Jan 2024*
- Improved laser calibration processes using OpenCV image processing to ensure precision and accuracy
- Devised a data management solution using Python scripting with pandas, Matplotlib, and NumPy, resulting in efficient organization and presentation of data sets in Excel
- Performed ADAS calibration and alignment testing on different types of vehicles
- Conducted confidential quality assessments on hardware mechanics, upholding product excellence
- Reviewed and organized 100+ reports every week to send summary to engineers and top executives
- Devised a solution for detecting mechanical errors using microphone arrays and PyAudio

Solar Car Design Team | *Missouri University of Science and Technology*   *Jun 2022 – Aug 2022*
- Worked alongside electrical and mechanical engineers to create design plans for a solar car
- Reviewed previous solar car designs to brainstorm ideas for new car

Front End Cashier | *Menards*   *Jun 2022 – Aug 2022*
- Mentored incoming staff across four distinct front-end roles, sharing insights into optimal practices
- Ensured accurate vehicle inspections during entry and exit, safeguarding precise inventory levels
- Created a positive experience for customers while operating cash register

PROJECTS

Personal Portfolio Website   Family Restaurant Website   Simon Game on ATmega324pb

HONORS

- NSLS – The National Society of Leadership and Success Nominee
- Missouri University of Science and Technology Dean's List
- Missouri University of Science and Technology Kummer Vanguard Scholar