Shangjia Xu

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EDUCATION

Purdue University — **August 2020 – May 2024**
*Bachelor of Science in Computer Science Honors - **GPA - 3.92/4.00*** — *West Lafayette, IN*
- Concentration in Machine Intelligence
- Minor in Music History & Theory
- Minor in Mathematics

COURSEWORK / SKILLS

- Data Structures and Algorithms
- Object-Oriented Programming
- Data Mining and Machine Learning
- Computer Architecture
- Systems Programming
- Foundations of Computer Science
- Elementary Linear Algebra
- Multivariate Calculus
- Intro to Statistics
- Programming in C

PROJECTS

Unix Shell | C/C++, Lex/Yacc — **March 2022**
- A shell interpreter completed in CS 25200 (Systems Programming) at Purdue University
- Combines the behavior of common shells like bash and csh

HTTP Server | C/C++ — **April 2022**
- A HTTP Server completed in CS 25200 (Systems Programming) at Purdue University
- Receives requests and sends information to a HTTP client

EXPERIENCE

TechPoint — **June 2022 – July 2022**
Participant and Winner of the Pitch Program — *Indianapolis, IN*
- Collaborated with teammates and generated ideas for recycling electric vehicle batteries
- Developed an app prototype with Figma which monitors status of bus stations that reuse EV batteries
- Demonstrated the app prototype in the final presentation

Purdue University — **June 2022 – Present**
Teaching Assistant — *West Lafayette, IN*
- UTA for CS 25000 (Computer Architecture) and CS 25200 (Systems Programming)
- Provided students with insight and guidance in lab sessions and office hours

EXTRACURRICULAR

Global Science Partnerships — **August 2020 – Present**
Active Member — *Purdue University*
- Interact with people from different backgrounds to enhance intercultural skills
- Produced a video in a group to teach elementary school students about earth science

Cadenza Piano Club — **August 2021 – Present**
Active Member — *Purdue University*
- Appreciate music and give performance in weekly meetings

HONORS/AWARDS

Dean's List and Semester Honors — **August 2020 – Present**
Purdue University

TECHNICAL SKILLS

Programming Languages: Java, C, C++, Python
Developer Tools: IntelliJ IDEA, Visual Studio Code, Vim, Git, Figma
Languages: Chinese (Mandarin), English