

# Zihan Xu

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## EDUCATION

### PURDUE UNIVERSITY

BS IN COMPUTER SCIENCE

BS IN MATHEMATICS

ENTREPRENEURSHIP CERTIFICATE

December 2023 | West Lafayette, IN

## LINKS

Github:

[github.com/zihanX14](https://github.com/zihanX14)

LinkedIn:

[linkedin.com/in/zihanxu14](https://linkedin.com/in/zihanxu14)

## COURSEWORK

### UNDERGRADUATE

Introduction To Statistics

Probability

Statistical Theory

System Programming [C]

Data Structures And Algorithms [Python]

Data Mining And Machine Learning

[Python]

Applied Regression Analysis

Unix Tools and Scripting

Consulting for Emerging Enterprises

Algorithms

Introduction to Artificial Intelligence

## SKILLS

- Python
- Java
- C
- HTML
- CSS
- Javascript
- MongoDB
- SQL
- Matlab
- Git
- AWS
- Figma
- Agile

## EXPERIENCE

### PURDUE RCAC RESEARCH INTERN | UNIX • PYTHON • BASH

June 2022 - May 2023

- Developed auto environment building software for High-Performance Computing system
- Auto Anaconda environment setup
- Python package download function

### RENZOEBOX SOFTWARE DEVELOPMENT INTERN | PYTHON • MACHINE LEARNING • AWS

January 2022 - May 2022

- Designed and developed an automatic image processing system held on AWS using OpenCV with Python.
- Work with an Agile team with 2-week sprint

### PURDUE UNIVERSITY UNDERGRADUATE RESEARCH INTERN | FULL STACK DEVELOPMENT

January 2022 - June 2022

- Building web server using React.js as the main framework
- MongoDB for database management

### PREMIER AUTO DETAILING AND WASH STUDENT CONSULTANT FOR BUSINESS | SWOT • ROADMAP • PORTER'S FIVE FORCES

January 2022 - May 2022

- Develop a business plan and business analysis on the company's project of building training schools

## PROJECTS

### SHELL INTERPRETER | C • SHELL SCRIPT • LINUX

October 2021

- Write a scanner and parser using the open source versions of Lex and Yacc (Flex and Bison)
- Support most of the Linux command
- Handle basic keyboard signals (Ctrl-C, Ctrl-D) and implement build-in functions and subshells
- Expand environment variables, Wildcards, and Edit mode

### DESIGN AND APP DEVELOPMENT - UNICAREER | FIGMA • FLUTTER

January 2021

- 24 hours Odyssey Hackathon one education business software application
- UI/UX design on app creation using Figma
- Basic features, including swiping and page changing, by Flutter

### PLANE TICKET ORDERING PLATFORM | JAVA • OOP

November 2019

- Basic Concurrent server with dynamic response to client with newest updated information