Xinsong Cui

xicu@umich.edu
734-373-9817
Ann Arbor, MI
linkedin.com/in/xinsong-cui
github.com/xinsongcui

EDUCATION

University of Michigan
Aug 2021 - Current, Ann Arbor, MI
Master of Science in Information
Concentration: User-Centered Agile Development

Purdue University
Aug 2016 - May 2020, West Lafayette, IN
Bachelor of Science in Computer Science
Concentration: Machine Intelligence
GPA: 3.67/4.00

Course Works
Data Structure and Algorithms, Compliers, Artificial Intelligence, Database Systems, Machine Learning and Data Minning, OS, Web Application Development

WORK EXPERIENCE

Autodesk |
Software Engineer Intern
May 2021 - Aug 2021, Shanghai, China
• Worked in agile software development team. Focused on developing a C++ SDK for the Autodesk Forge web service(Forge API).
• Improved ABI compatibility for SDK.
• Implemented new I/O infrastructure to the SDK.

Unity Technologies |
Field Engineer Intern
May 2019 - Aug 2019, Shanghai, China
• Developed a Unity Editor tool(C#) to help users check and classify their game assets.
• https://github.com/unity-cn/AssetsChecker

• Created a Physically-Based rending shader by Unity Shader Graph.
• https://github.com/xinsongcui/PBR-shader

Teaching Assistant
Aug 2019 - Jan 2020, Purdue University
• Worked in CS177 Python Programming.
• Hosted weekly lab and provided assistance to students, graded labs and homeworks.

Research Assistant
Sep 2019 - May 2020, Purdue Univeristy
• Worked in Purdue SuperPower laboratory.
• Collaborated with GRA on programming, testing, collecting research data and writing user manual.

SKILLS

• Proficient in C/C++, Python
• Intermediate in C#, JAVA, R, Scala, SQL, html/css, Javascript, React, Node, Bash Script
• Experience in Linux/Windows development environment, Agile software development
• Tools: Viusal Studio, Eclipse, Android Studio, Unity, RStudio, GitHub, Jira

PROJECTS

BMI Calculator | React.js
• Designed and developed a web calculator. Providing features include log in, sign up and generate a BMI bar chart base on user data.
• Used MongoDB to store user information.
• https://github.com/xinsongcui/BMI-Calculator

2048 Game | JAVA
• Implemented a 2048 game on android devices. Gamers can redo or undo their action.
• https://github.com/xinsongcui/2048-Game

IRCServer and IRCClient | C,C++
• Builded a Internet Relay Chat(IRC) server and client. Project users are able to communicate via text message after creating and joining rooms.
• https://github.com/xinsongcui/IRCServer

MyShell | C++
• Created a Unix shell interpreter to parse and execute bash commands.
• Supported to commands like wildcard, quote and history checking.
• https://github.com/xinsongcui/myShell

ACTIVITIES

Purdue Bolier Out Program
Aug 2016 - Aug 2017, Lafayette, IN
• Volunteered to do community services.

Purdue Chinese Engineering Student Council
Aug 2017 - May 2020, Purdue University
• Communicated and collaborated with members in other departments.

Purdue Global Science Program
Mar 2017 - May 2018, Purdue University
• Supported the program by assisting first-year students to adjust to college life.