

Wei Sheng (Will)

shengw@purdue.edu · 206-390-9720 · wsheng.github.io ·
linkedin.com/in/weisheng0220 · github.com/wsheng24

EDUCATION

Purdue University, West Lafayette, IN
Ph.D. in Computer Science

08/2023 - Present

University of Washington, Seattle, WA
B.S. Double Major in Computer Science & Mathematics

June 2023

- GPA: 3.84/4.0
 - Teaching Assistant of AR/VR capstone course
 - Relevant Coursework: ML, Data Structure & Algorithm, Discrete Optimization, Modern Algebra
-

SKILLS

- **Master:** Java, Python, C, C++, Unity, MRTK, C#, MATLAB, Google App Script, Git
 - **Familiar with:** SQL, Javascript, R studio, SQL++, Vue.js, React
 - **Languages:** Native proficiency in English & Mandarin, Beginner in French
-

EXPERIENCE

Nasa Suit Challenge 2023, Seattle
Software Engineer, UW Reality Lab

06/2022 – 04/2023

- Design Telemetry data GUI, deploy NavMesh to 3D mesh, implement functionalities of dropping and storing waypoints, and visualize route for dynamic data
- Develop scenes with Unity assets and MRTK3 configurations, implement C# scripts with Photon engine to create multi-user platform, deploy and debug in hololens2
- Accessibility and Usability are hugely improved, Data load time is also increased significantly

Automated Management Design, Seattle
Associate, Sensors, Energy, and Automation Laboratory (SEAL)

12/2021 – 03/2023

- Implement scripts from scratch for automation, build auto-notification functionality
- Use Google App Script as coding language and integrated with Slack notification
- Saves 60% time for administrators to synchronize updates and manipulate members

Network set-up of Nooksack river Basin, Seattle

06/2022 – 12/2022

Undergraduate Research Assistant, Department of Civil & Environmental Engineering @ UW

- Create Network Model Grid from various Digital Elevation Models and build Network Sediment Transporter
 - Build functionalities in Python Jupyter book with LandLab APIs and usage of raster grid
 - Make tutorials about Network Sediment Transporter, and flat area solutions for further teaching usage
-

TECHNICAL PROJECTS

Embrace the Sunshine, Seattle
Software Engineer, UW Simoni Lab

06/2022 - 09/2022

- Deploy web pages with login-in functionality and data collection for administrator to modify backend user data, Optimize user interface in the mini app to keep track the medication status
 - Implement using Javascript and bootstrapped with Create React App
 - User data are now trackable, and calendar functionalities was built in the Wechat Mini App
-

Award

James A. Hewitt, Jr. Endowed Scholarship @UW

08/2021 – 08/2022

