Xinran(Adeline) Li

Current Address: Blacksburg, VA, 24060
TEL: +1 (540)605-0578 Mail: adelineli@vt.edu
GitHub: AokiUmi Portfolio: Adeline Li

EDUCATION

- **Virginia Tech** **Blacksburg, VA**
  Ph.D. in Computer Science & Applications *Aug 2024 - Present*

- **University of Wisconsin-Madison** **Madison, WI**
  Undergraduate Exchange Student, Computer Science *Jan 2022 - Dec 2023*
  GPA : 4.0/4.0

- **ShanghaiTech University** **Shanghai, China**
  B.E. in Computer Science and Technology *Sep 2020 - Jul 2024*
  GPA: 3.53/4.00

RESEARCH EXPERIENCE

- **Human Motion Generation From Text** **Fall 2022**
  Undergraduate Researcher, RhythMo, ShanghaiTech VRVC Center, surpervised by Prof. Lan Xu
  Combine DDPM and CLIP approaches to solve the problem of text conditional human motion generation. Our inverter is non-deterministic and can generate multiple motions corresponding to a given motion embedding. The presence of the encoder and its approximate inverse decoder allows for the ability to go beyond text-to-motion translation.

PROJECTS

- **Computer Graphics Final Project: Blizzard World** **Spring 2023**
  UW-Madison CS559: Computer Graphics
  My fascinating Computer Graphics Final Project using Three.js to remake a map named Blizzard World in Overwatch. View my project on my webiste.

- **Chrome Dino Minigame on Longan Nano** **Spring 2022**
  ShanghaiTech CS110: Computer Architecture I
  Implementing Chrome Dino pixel game on Longan Nano development board with RISC-V assembly language and C. Utilized integrated and external buttons of the board for UI and game control, respectively.

- **RV32I-RVC Bidirectional Translator** **Spring 2022**
  ShanghaiTech CS110: Computer Architecture I
  Writing an translator that translates RISC-V instructions to RISC-V compressed instructions for the first part. And for second part, we implement a translator that converts 16-bit RISC-V Compressed (RVC) instructions to equivalent 32-bit RISC-V instructions.

- **A Space Efficient Algorithm for LCSK** **Fall 2022**
  ShanghaiTech CS240: Algorithm Design and Analysis
  Finding the largest sequence common to all sequences in a set (usually only two sequences), limited by k substrings or subsequences, using a special efficient algorithm to save the space and time complexity

LEADERSHIP & ACTIVITIES

- **ShanghaiTech Prism Animate Club** **Sep 2020 - Present**
  The minister of the Comprehensive Art Department, the vice minister of the Dancing Department
- **Prism Live 2021, 2022** **Dec 2021 - Dec 2022**
  One of main managers of Art department for Prism Live, member of the dancing performance
- **ShanghaiTech Social Practice** **Jul 2021**
  Kaiyuan, Yunnan province
  Visiting impoverished areas of China, learning about the difficulties of people who lives in rural mountain areas, and experiencing the local folk culture of Yunnan.

SKILLS & INTERESTS

- **General Interests:** Programming, Dancing, Drawing, Piano
- **Master Language:** C++, C , Python, Html5, javascript, CSS, MATLAB, git
- **Technical skills:** Matlab, Microsoft Office (Excel, Word, PowerPoint), PhotoShop, After Effect, ...
- **Rewards:** The first prize in NOIP(National Olympiad in Informatics in Provinces), Piano Level 10