Andrew Fang

Education

University of Connecticut – Storrs, CT
Bachelor of Science, Computer Science, May 2024
Mathematics Minor
GPA: 3.96/4.00
Honors Program, Dean's List
Honors and Awards: Academic Excellence, GE Capital Scholarship, Stamford Rotary Scholarship

Work Experience

Teaching Assistant – Storrs, CT **Spring, Fall 2022**

- Aided with assignments in a system programming Course

Bentley Systems Software Developer Intern – Thomaston, CT **Summer 2022**

- Worked on implementing feature requests and designing a product that focuses on stability, usability, and maintainability.
- Used development tools, such as visual studio and perforce, to turn designs into software products and applied knowledge gained in computer science courses to real-world challenges.
- Responsible for unit testing and maintaining the existing code base.

KenCast Intern – Norwalk, CT **Summer 2020, 2021**

- Undertook software engineering for wire and wireless broadcast systems for entertainment and emergency services.
- Performed website development for product demonstration and testing of computer equipment, network vulnerabilities, and software.

Skills

Language: Fluent Mandarin, Limited Spanish
Programming Languages: C, C++, C#, HTML, Java, Python3, RISC-V, Unix/Linus
CS Classes:

- Artificial Intelligence
- Algorithms and Complexity
- C++ Essentials
- Computer Architecture
- Cybersecurity Lab
- Data Structures
- Discrete Systems
- Object-Oriented Design
- Principles of Databases
- Principles of Programming
- Software Engineering
- System Programming

Projects

Completed:

- Convex Hull
  - Compare algorithms for finding the perimeter of a set of points that encompass all points
- Medical Information System Database
  - Establish a repository of patient profiles that can be utilized in different ways via a GUI
- Seam Carving
  - Utilizes dynamic programming to compress an image while maintaining its general features
- C++ 2 Player Pacman using Allegro
  - Reflects mastery of basic C++ concepts and object-oriented design
- 2048 AI
  - Exhibits concepts such as image recognition and depth first search to asses its next move

Ongoing:

- UConn Lost and Found App
  - Senior design project to help address items that are lost and found on campus
- Personal Website using Flask
  - Creating online portfolio

Extra

Top 10 Finisher in CSI CyberSEED 2022
University of Connecticut IEEE (Institute of Electrical and Electronics Engineers) *Member*