

Hua Chen

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EDUCATION

Lehigh University, Bethlehem, PA

Expected May 2024

Bachelor of Science in Computer Science and Engineering

Cumulative GPA: 3.29 / 4.0

Relevant Coursework: Programming and Data Structures, Systems Software, Foundations of Discrete Structures, Web

Systems Programming, Computer Architecture, Software Engineering, Database Systems and Applications

Honors: Dean's List Fall 2021

PROJECTS

Beat Buddy, Web Systems Course Final Project

Sept 2021 - Dec 2021

- Collaborated in a team of 3 other students to create a full-stack Node.js web application that provides concertgoers a way to connect with other attendees
- Structured and styled user interface with Pug/HTML/CSS, rendering elements dynamically
- Presented up-to-date upcoming concerts on home page by using endpoints provided by Ticketmaster API

Self-Driving Cars in Urban Environment, Lehigh University MTSE Research Project

May 2021 - Aug 2021

- Collaborated in a team of 7 undergraduate researchers to continue project from initial testbed stage in Summer 2020
- Implemented Google Cartographer with ROS for Simultaneous Localization and Mapping
- Conducted multiple simulations to collect Lidar data for analyzation and environment mapping

Testing Ionic Films for Microfiltration, University of Mississippi ARISE Research Project

May 2019 - Aug 2019

- Explored additive manufacturing of microfiltration membranes through lab-based research under 2 graduate students
- Produced over twenty 0.40-0.60mm thick ionic liquid films of different ratios of photopolymer-based resin and ionic liquid for filtration testing
- Conducted daily trial experiments to test and analyze the separation efficiency of 3-D, polymer-based membrane films

LEADERSHIP

Social Media Chair, Southeast Asia at Lehigh (SEAL)

Aug 2021 – Present

- Design club event flyers to increase membership and spread Southeast Asia culture throughout the university
- Maintain all SEAL social media accounts (Facebook, Groupme, and Instagram) to advertise upcoming events, reaching up to 180 members and obtaining a 20% increase in membership since Spring 2021

Project Coordinator Intern, Society of Asian Scientists and Engineers (SASE)

Aug 2021 – Present

- Direct a team of 3 other interns in varying positions (Secretary/Treasurer/Marketing Chair)
- Create weekly meeting agendas for meetings to ensure continuous progress and task completion
- Serve as the main point of contact to the executive board and all other interns for effective communication

WORK EXPERIENCE

Media Consultant, Digital Media Studio (DMS), Lehigh University

Aug 2020 – Present

- Monitor the DMS and serve as a resource for students who require media assistance for about 10 hours a week
- Provide an average of 20 students a week with assistance in studio equipment, printing, and video production

Customer Service Assistant, Chinatown Restaurant, Lucedale, MS

Aug 2014 – Aug 2021

- Serve as the primary customer consultant to provide product information, take orders, and resolve any rising issues
- Communicate with part-time employees and attend to their unique circumstances to create weekly schedules that minimize short notice absence

SKILLS

- **Experienced Programming Languages:** Java, C, JavaScript
- **Familiar Programming Languages:** Python, C++
- **Languages:** Mandarin (Conversational)