Hua Chen

Bethlehem, PA · (601)-791-8060 · huachen724@gmail.com · www.linkedin.com/in/huajchen

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 and Algorithms, Web Systems Programming, Computer Architecture, Software Engineering

RESEARCH

Associate Researcher, Self-Driving Cars in Urban Environment, Lehigh University   May 2021 - August 2021
- Implemented Google Cartographer with ROS for Simultaneous Localization and Mapping (SLAM)
- Analyzed LiDAR data from testbed and built a map of the surrounding environment
- Individually conducted multiple simulations to train Google Cartographer for convergence

Assistant Researcher, ARISE Research Program, University of Mississippi   May 2019 - August 2019
- Explored additive manufacturing (AM) of microfiltration membranes through lab-based research
- Produced over twenty 0.40mm to 0.60mm thick ionic liquid films consisting of different ratios of photopolymer-based resin and ionic liquid for filtration testing
- Individually conducted daily trial experiments to test and analyze the filtration and separation efficiency of 3-D print supported polymer-based membrane

LEADERSHIP

Director of Operations, First-Generation Initiative Represented by Students & Teachers   August 2021 – Present
- Oversees all F1RST initiatives such as the Bookshare program, Laptop Lending Library, and Calculator Lending Library to fulfil the needs of minority students and low-income students
- Reserve meeting and event rooms and manage projects in progress to report back to the Board

Social Media Chair, Southeast Asia at Lehigh (SEAL)   August 2021 – Present
- Design all event flyers and spread club recognition among student body
- Maintain all SEAL social media accounts (Facebook, Groupme, and Instagram), reaching up to 150 members.
- Share upcoming events and news to all social media platforms, residence halls, and dining halls

Intern, Society of Asian Scientists and Engineers (SASE)   August 2021 – Present
- Direct a team of four interns and ensure all tasks are complete
- Lead weekly meetings and create meeting agendas prior to meeting
- Serve as the main point of contact to the executive board and all other interns

EXPERIENCE

Media Consultant, Digital Media Studio (DMS), Lehigh University   August 2020 – Present
- Monitor the DMS 8+ hours a week
- Provide on average 10 students a week with assistance in studio equipment and printing

Customer Service, Chinatown Restaurant, Lucedale, MS   August 2014 – Present
- Consult with customers by phone, providing product information, taking/entering orders, and resolving issues and complaints
- Create part-time employees' weekly schedules after effective communication of weekly availability

SKILLS

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