Samuel Hurh

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Systems Engineering and Design
University of Illinois at Urbana Champaign

Education:

Undergraduate Degree: Bachelor's of Science   2020 - Present
- School: Grainger College of Engineering
- Grade Level: Sophomore
- GPA: 3.86

Research and Internship Experience:

Advocate Condell Hospital, *Libertyville, IL* - Penwasciz Intern   September 2019-March 2020
- Shadowed various healthcare providers ranging from inpatient caretakers to critical care nurses
- Learned about how the hospital works as a system to make patient care efficient and effective

Gachon University, *Seongnam, South Korea* - Summer Research Intern   June 2019 - July 2019
- Shadowed a Master's student who was developing android apps for easy early diagnosis of certain chronic diseases such as Alzheimer's
- Presented findings of research on the history of computers to the head lab professor at the end of every week to become a better communicator.

Activities:

Disruption Lab - Member   September 2021 - December 2021
- Collaborated with a team of 6 to develop the UIUCollab web platform commissioned by the Siebel Center of Design to foster interdisciplinary collaboration among researchers at UIUC
- Employed web development technologies such as HTML, CSS, JS, React.js, Node.js, AWS Lambda, Azure Devops, and Figma
- Implemented methodologies such as agile software development in the completion of the project

Association for Computing Machinery - Member   September 2020 - Present
- Collaborated with a team of undergraduate students to develop an android app that will facilitate the at-home gym routine by using AI collected metrics to generate useful feedback
- Communicated ideas with the rest of the team pertaining to the overall design of the app
- Developed the front-end design of the app using the Dart programming language

Engineering Graphics and Design Final Project - Team Lead   September 2020 - December 2020
- Directed a team of classmates in designing and modeling a product that would increase school lunchroom safety during the Covid-19 pandemic
- Calculated physical constraints of the product
- Managed the logistics of team meetings such as assigning roles and setting goals

Introduction to Computer Science(CS 125) Course Assistant at UIUC   January 2021 - May 2021
- Provided assistance to students learning the Java Programming Language for the first time
- Contributed visual code walkthroughs to the course's website
- Tested homework and assessment materials before they were provided to students

Information Technology Skills:

C++, Java, React.js, JavaScript, HTML, CSS, Fusion 360, Google Workspace, Mathematica, Python, Dart, Desktop Computer Assembly