

# Michelle Yoon

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## EDUCATION

### Bachelor of Science, Computer Science

Chapman University, Fowler School of Engineering, Orange, CA

May 2021

### Associate of Science in Mathematics and Physics

Fullerton College, Fullerton, CA

May 2019

## RELEVANT COURSES

- Android Development
- Data Structures and Algorithms
- Differential Equations
- Discrete Mathematics
- Introduction to Linux
- Linear Algebra

## COMPUTATIONAL SKILLS

- Experienced in C#, C++, LaTeX, and Java
- Intermediate with C, Dart, Kotlin, and Python
- Skilled in Windows
- Familiar with Linux, Docker, Github, and Unity

## TENCHICAL EXPERIENCES AND PROJECTS

### Project Manager

Sept 2019- Present

NASA Spacesuit User Interface Technologies for Students

- Organize an all-female team to develop a proposal for a spacesuit information display within an augmented reality environment that would assist astronauts with tasks by presenting instructions and other vital information during their Extravehicular Activities. Resources utilizing the HoloLens, Unity, and C#
- Initiate, organize, plan, and execute tasks to accomplish goals to meet specific deadlines for the project

### Software Development Intern

June 2019- Present

Naval Surface Warfare Center, Norco, CA

- Formulate requirements, design and develop the Trouble and Failure Report (TFR) Archive Tool application that archives unclassified data using Microsoft Visio, Microsoft Visual Studio, and C#
- Compose a technical document to modify the Trouble and Failure Report (TFR) software development environment to a cloud based continuous integration and testing environment to build modern, efficient, and sustainable software to support the Strategic Weapon System (SWS) and the Attack Weapon System (AWS)

### Project Manager

Sept 2018- June 2019

NASA Micro-G Neutral Buoyancy Experimental Teams Design Challenge, Houston TX

- Developed a proposal for a camera attachment mount and positioning system prototype that would be used by astronauts aboard the International Space Station during Extravehicular Activities
- Selected as 1 of 24 teams across the nation, the only team on the West Coast to test our prototype in the Neutral Buoyancy Laboratory at NASA Johnson Space Center in Houston, Texas
- Initiated, organized, planned, and executed tasks to accomplish goals to meet specific deadlines. In addition, obtained funding and sponsorship to fulfill the project

## HACKATHON AND TECHNICAL WORKSHOP

Women Who Code Hackathon

Oct 2018

- Learned how to develop and apply skills to build Android mobile applications using Flutter in Dart

NASA Community College Aerospace Scholar Workshop

July 2018

- Selected to work as a Chief System Engineer at Armstrong Flight Research Center of NASA, collaborated with 9 other engineers to build a rover in 4 days
- Built and programmed a rover to retrieve boulder and another rover simultaneously