

Madelyn “Macey” Cohn

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EDUCATION

B.S. Computer Science, minor in Cinema and Math, Honors College, 3.61/4.00, May 2023
Virginia Tech, Blacksburg, VA

EXPERIENCE

Immersive Developer, ARIES at Virginia Tech, 2020-present

- Operated an Insta360 Pro camera and H3 Zoom spatial audio recorder in indoor and outdoor environments
- Developing VR solar system science museum exhibit in Unity3D

AR Researcher, Virginia Tech, 2020-2021

- Helped a multi-disciplinary team design an EMS mass-casualty incident training program for the Oculus Quest 2 and Microsoft Hololens 2 using the Mixed Reality Toolkit in Unity3D
- Designed, modeled, and programmed the Rubber Hand Experiment for the Microsoft Hololens 1

Mentee, Christopher Newport University, 2018-2019

- Worked with a partner to learn how to program an Alexa Skill and work with Linux Ubuntu and Python in four months

COMPUTER SKILLS

Proficient: Java, C, HTML

Intermediate: Python, JavaScript, CSS, Unity3D, Inventor, Rhino, Linux, Adobe Suite

Beginner: C#, Swift, Blender, Unreal Engine

PROJECTS

HackViolet, 2021

- Designed and built the environment for a VR puzzle game within a multidisciplinary team over the span of 24 hours

VT Hacks, 2020

- Worked in a group of three freshmen over the course of 48 hours
- Built an Alexa Skill that would tell the user where parking was available

RELEVANT COURSEWORK

VR/360 Storytelling, HCI, HCI Capstone, Intro GUI Programming/Graphics, Movement and Media

LEADERSHIP/ACTIVITIES

Resident Advisor, 2021-present

- Specialize in the care and handling of residential wellbeing for up to 76 residents each year
- Meet individually with residents, plan and execute hall programs, and handle administrative work for the hall

Hypatia Engineering Residential Learning Community, 2019-2022

- Oversaw 6 mentees during the height of the pandemic and assisted them in learning to reach their academic, professional, and personal goals
- Reached the highest position available to an undergraduate student within the organization
- Oversaw 7 mentors and helped plan and execute training events
- Provided advising to mentors for them to pass onto their composite 70 mentees

Campus Tour Guide – 2020-present

College of Engineering Ambassador – 2020-present

The Marching Virginians – 2019-2021