**ASN8: Stream Exploration Prep**

Using the resources available on the FIRE website and individual stream websites, please fill in the following charts for the 2 research streams that MOST interest you.

http://www.fire.umd.edu/streams.html

Stream of Interest #1

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| --- | --- |
| Stream Name | Autonomous Unmanned Systems |
| Faculty Advisor | Dr. Derek Paley |
| Research Educator | Dr. Derrick Yeo |
| What is the area of study? | The study of autonomous unmanned systems and their use to human society as a whole. |
| What are the primary research aim(s)? | Autonomous systems reliability, guidelines for ethical autonomy, autonomous system verification & validation, etc. |
| What do you find interesting about this stream | What I find interesting about this stream is having the ability to create drones and have them do things autonomously without the use of humans. |

Stream of Interest #2

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| --- | --- |
| Stream Name | Phillips Virtual Culture |
| Faculty Advisor | Dr. Amitabh Varshney and Dr. Nicole Reisenberger |
| Research Educator | TBD |
| What is the area of study? | Virtual reality and Augmented reality |
| What are the primary research aim(s)? | Augmented and Virtual reality, Beacon-based mobile location intelligence, web and mobile application development, and data and information architecture |
| What do you find interesting about this stream | I have an interest in VR and AR especially since I am apart of both VR and AR clubs at Maryland. I would like to know more about both to help my development of the apps for each club. |