



RESEARCH AT PLAY

UNCG has joined the collegiate esports movement with a \$2.4 million state-of-the-art facility. But gamers aren't the only ones stepping into the arena.

ESPORTS ATHLETE HEALTH

Public health education professor David Wyrick launched the UNCG Center for Athlete Well-Being for research on the physical and mental health of athletes of all ages.

Through the center, his spinoff company Prevention Strategies, LLC, and partnerships with major players in the industry – including the NCAA and NFL – Dr. Wyrick and his team takes their findings into the classroom and onto the court.

“Maximizing public health impact is my priority,” he says. “Our commercialization efforts also inform the scholarship, leading to more manuscripts and grant proposals. So, it’s this 360 degree cycle.”

Now, Wyrick and his team are taking their expertise into the world of esports student-athlete health – an area where they say there is a strong need for foundational research.

“Collegiate esports athletes compete at a very high level that requires hours of physical, mental, and game-specific skills training,” Wyrick says. “This can result in pressures and environments that challenge their well-being.”

The researchers recently launched a survey to better understand the scope of esports athlete wellness. The groundbreaking study is led by Prevention Strategies’ experts Dr. Annie Kearns Davoren – a former NCAA consultant – and Dr. Stephen Hebard.

“What we’re doing is completely novel,” Davoren says. “We’re taking this 1,000-foot view of the esports student-athlete participant.”

The survey, the largest so far of its kind, gathered data from 650

collegiate esports athletes and asked a broad range of questions about athletes’ perceptions and experiences. Topics included academic experiences, relationships with coaches, mental health, the gaming environment, and substance abuse.

They hope to translate their findings into behavioral interventions and education that can help gamers.

“Once you start making data-driven decisions, things really start happening and changing for the better,” Davoren says.

There’s momentum and interest to positively impact the esports environment.

“Video games and competitive gaming are really accessible in a way that traditional sports aren’t, and there’s a massive investment in esports right now,” Hebard says. “Our hope is that the data we’re collecting can help make the argument to invest in the well-being of esports athletes.”

EVIL AND MORALITY IN GAMING

Religious studies professor Gregory Grieve observes a group of gamers facing a dilemma. They have reached an infamous point in the 2009 video game “Call of Duty: Modern Warfare 2” – the controversial level known as No Russian – where players enter an airport and join a group of gunmen who attack bystanders at a security checkpoint.

Violence is par-for-the-course in Call of Duty. But these players, who are part of an evangelical Christian group, wonder if there’s a way to avoid harming the unarmed civilians.

“How can they mesh their Christian notions of right and wrong with what’s going on?” Dr. Grieve wonders.

It’s these types of moral decisions that have piqued Grieve’s interest since 2007 and prompted his research on the concept of evil in video gaming.

“A lot of times video games are just ignored or they’re dismissed as frivolous entertainment, but a lot of them have deep ethical choices that the players have to make,” says Grieve, who is director of UNCG’s Network for the Cultural Study of Videogaming and a founding member of the International Academy for the Study of Gaming and Religion.

He defines evil as actions that most people would consider outside of ethical norms. “We just can’t understand morally why someone would do it.”

He calls evil in video games ludic evil – a phrase he developed using the Latin word for play.

Grieve, an ethnographer by training who specializes in religion and digital culture, uses multiple human-centered methods to explore how people perceive and respond to ludic evil.

For example, he will concentrate on one scene from a video game and play it multiple times himself. This methodology, which Grieve calls close play, is similar to a literature scholar’s close reading of a text.

He also watches through the eyes of other players. “I’m looking at other people to see what they do,” he says. “Their decisions are more interesting to me than what I think is right or wrong.”

So far Grieve has three books and 37 publications related to gaming. In 2023, he and UNCG’s Dr. John Borchert will release a “Religion and Video Games: An Introduction” textbook with prestigious publisher Routledge.

“Studying video gaming and the problem of evil fosters media literacy and allows us to make ethical choices in this brave new digital world,” he says.

Ethical choices such as the one presented to the evangelical Christian group playing Call of Duty. Grieve follows the conversation thread as the group debates their options.

“They decide to turn their backs to all the violence and not engage with it,” he says.

The players get through the airport and end up in the same spot they would have if they had chosen the violent route. And, Grieve says, they do so with their values intact – at least for this stage of the game.

Sometimes Grieve’s 15 years of research on evil leads him to an unexpected place: hope.



student profile



Sophia Rosenberg, a sophomore double majoring in anthropology and religious studies, is an active member of the UNCG Network for the Cultural Study of Videogaming.

“For me, I’ve always loved gaming,” they say. “The fact that academia is becoming more open to studying gaming and is now realizing that video games are very important cultural artifacts is extremely exciting.”

As an undergraduate researcher they studied players of the survival game Valheim. The project, which explored power dynamics in ethnographic research, was a first place winner at the 2022 UNCG Thomas Undergraduate Research and Creativity Expo.

“Conducting research with Professor Grieve was something I never expected, but I would not trade it for anything else,” Rosenberg says. “For me, it solidified what I want to do in my future career. I plan to go into user experience research, hopefully within the gaming industry.”

STATE OF THE ART Clockwise from top left photo, Dr. Gregory Grieve, undergrad researcher Sophia Rosenberg, and Dr. John Borchert are regular players at UNCG’s new esports arena.

COMMUNITY OF GAMERS

From freshmen to tenured faculty, UNCG gamers bond over shared interests, exchange ideas, and bring scholarship to the broader community, thanks to the new Network for the Cultural Study of Video Gaming.

Associate director Dr. John Borchert says the network, known as the NCSV, was founded in 2021 with the goals of fostering research, education, and outreach.

“What’s really innovative about what we’re doing is the integration of education and research,” Borchert says. “This gives students and faculty a well-rounded approach to game cultures and esports.”

Within the classroom, students and faculty are delving into curricula that connect gaming to well-established fields, from sports broadcasting to digital animation.

In the network’s first year, faculty have developed 9 new courses. Examples include Playing Games and the Ancient World, Environmental Justice in Video Games and Literature, and Game Over: Video Gaming and Death.

“These courses offer a new avenue for student interest and for faculty exploration of new horizons in their research agendas,” Borchert says.

The network is building on this momentum by launching the Videogaming and Esports Studies minor, which will be available to students beginning this fall.

“Students in the minor will have a unique combination of critical thinking and applied skills,” says Borchert, “to engage in all aspects of the gaming and new media industries ranging from production, broadcasting, journalism, scholarship, and event and recreation management.”

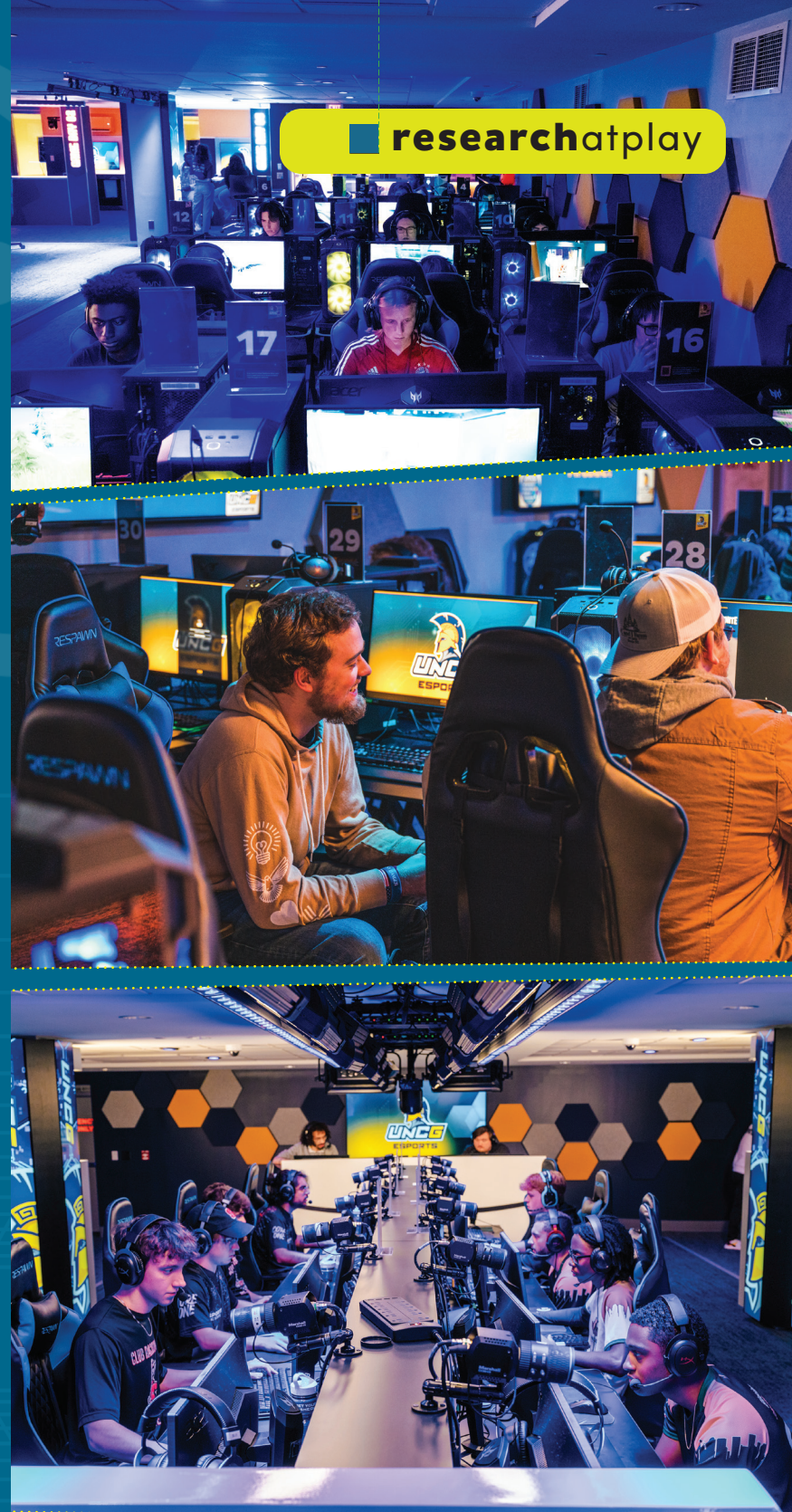
The NCSV engages in a range of outreach events to connect gamers. Last year, they helped launch the UNCG Esports & Gaming Summer Camp for 9 to 14 year olds.

The network is also fostering conversation on campus through the Ashby Dialogue series, a yearly discussion group bringing together about 20 faculty and students across disciplines for focused inquiry. This year their topic is identity and queer culture in the popular video game Zelda.

“Games in general have always been a space for the marginalized to find a sense of empowerment, expertise, and a community,” says Borchert.

“Gaming is for everybody.”

by Rachel Damiani • learn more at esports.uncg.edu



WEALTH OF OPPORTUNITY “We’re just getting started,” says Wyrick, who – in addition to researching esports athlete health – serves as director of InnovateUNCG. “Esports is the most exciting thing I’ve seen in my career to help push translational research and innovation forward.”

From Military to Mental Health

“Keep your head on a swivel.”
“Flip the switch.”

These are just some of the catchphrases David Miller heard regularly during his seven years in the Marine Corps. For good reason. Traits like being highly tuned in to your environment, known as situational awareness, can promote safety and survival during combat.

But what happens when this mindset is carried into everyday life?

The question changed Miller’s trajectory as an undergraduate at UNCG.

Miller, like many veterans, says he had multiple “rough years” after being medically discharged from the Marine Corps. But in psychology laboratories at UNCG, he found a way to reclaim the part of his identity that thrived on supporting his comrade-in-arms.

“We lose a lot of our service members to suicide every day, and one of those things that drives me is trying to bring that number down – I want to be a light on people’s darkest days,” he says.

As an undergrad, Miller began working in Dr. Blair Wisco’s research lab.



“I knew I needed research experience to become a clinical psychologist,” he says. “But I thought I would hate it – the math, the statistics.”

But it wasn’t what he expected. “Listening to people just nerd out about psychology the same way I did was awesome.” Wisco’s focus on post-traumatic stress disorder resonated with Miller.

During lab discussions, Miller realized some behaviors associated with PTSD were commonplace in military training. “What if a person found these things really useful for 4 to 20 years?” he asked. How might this learned behavior then trickle into a veteran’s civilian life?

His colleagues didn’t have an answer, and, just like that: Miller was bitten by the research bug.

“Helping countless veterans through research and contributing something new to an entire body of thought – I couldn’t ask for a better opportunity.”

Miller applied to MARC U-STAR, a prestigious NIH-funded program at UNCG that supports undergraduates from diverse groups as they explore research, providing monthly stipends so students don’t have to split focus between research and work, as well as funds for conferences and presentations and mentorship.

Psychology professor and director of clinical training Kari Eddington became Miller’s mentor. In her laboratory, he explored how adaptive behaviors in the military can become maladaptive with changes in context and intensity.

“What’s novel about his work is the focus on the military training environment and how that impacts psychological processes,” says Dr. Eddington. “Often the focus is more on acute combat experiences and trauma.”

Miller says he gained confidence and well-rounded skills by working with Eddington and Wisco.

student profile



A NEW WAY TO SERVE The military-affiliated services office is a second home for many veterans during their time at UNCG. It was also a place to find participants for Miller’s undergrad research.

“The smaller, more personal and teaching-oriented laboratory setting was a game changer.”

These crucial experiences at UNCG prepared Miller for his next MARC-U-STAR program opportunity: a summer research internship in Duke’s Traumatic Stress and Health Research Lab.

Miller excelled in the role – so much so that he received and accepted a job offer to work as a project manager in the same lab after graduating. He plans to continue cultivating his research skills in this position while applying to graduate programs in clinical psychology. He feels well prepared for this next step.

“What a lot of people have only done for six months or a year when they graduate, I was able to do for three years. And the confidence from that is just incredible.”

by Rachel Damiani
learn more at psy.uncg.edu

