I was granted a sabbatical for the Spring 2014 semester in order to travel to Japan and work for a few weeks in the Ishikawa Oku Laboratory with Dr. Carson Reynolds who was doing cutting edge work on wearable computing. We were going to begin a collaboration that was to include a paper and a potential book on the ethical implications of future wearable computer technology. Unfortunately, just as I was making final plans, Dr Reynolds died tragically. This was very sudden and was a tragic loss to his family and the world as he was young and just beginning his career. He was a rare researcher who was not only engaged in cutting edge research but also one who was keenly aware of the need for ethical research prior to the release of new technologies. He was also a close colleague of mine and I felt his loss personally.

With my plans in disarray, I had to come up with an alternative. I attempted to get a visiting professor position with some colleagues at the Technical University Twente in the Netherlands but the time was too short and it did not work out. So I instead turned to work on some writing projects here.

I spent the majority of my sabbatical working in my office on campus. I finished four articles and presented at four conferences which I will detail below. I also worked as a fight director on the SSU Spring semester production of "She Kills Monsters," which turned out to be quite a project requiring many hours of work training the student actors in safe state fighting techniques, and this project would not have been possible for me if I had not been on sabbatical.

During the sabbatical I wrote a paper entitled, "Ethical Trust in Robotic Surgery," which I presented at the fiftieth meeting of the society for Artificial Intelligence and the Simulation of Behavior (AISB 50), at Goldsmiths University in London, April 1-4, 2014. The presentation went very well and I was able to meet with many colleagues from all over the world to plan future projects and collaborations. This paper was also submitted to the American Philosophical Association Newsletter on Computers and Philosophy and will be published in October 2014.

In May 2014 I presented another paper I wrote during the sabbatical, A Case Study in Malware Research Ethics Education, at CREDS 2014 - International Workshop on Cyber-security Research Ethics Dialog & Strategy, held at the Fairmont San Jose Hotel, May 17, 2014. In this presentation I outlined the pedagogy used to teach computer and research ethics in Dr. George Ledin's Malware research course he teaches here at SSU each year. The audience included academics and local Silicon Valley industry experts who are all engaged in malware research. I am currently looking for a journal to submit this work to for publication.

In July I presented a third paper that I wrote during my sabbatical at the Moral, Ethical, and Legal Issues in Robotics workshop at the Robotics Science and Systems (RSS) 2014 Workshop, 8:30am-6:00pm PDT, July 12, 2014, Classroom 203, Wheeler Hall, UC Berkeley, CA. My paper was entitled, Ethics Boards for Research in Robotics and Artificial Intelligence: Is it too soon to act? This presentation was very well received and the audience included Silicon Valley robotics researchers as well as academics form all over the world. One interesting
outcome was that I made some contacts with researchers at Berkley and we will be starting a Bay Area workgroup on robotic ethics over the next year.

The last paper that I wrote during my sabbatical was recently presented at Robo-Philosophy Sociable Robotics and the Future of Social Relations, August 20-23 2014, which was held at Aarhus University, in Aarhus Denmark. This paper was called, Machine Morality Operationalized, and it extended my research into how we can give machines a kind of artificial morality which is essential if these machines are to interact with us in the close personal way that their designers imagine. I was invited to this conference and served as the first plenary lecture. This was the very first full conference on philosophy and robotics. The field has been growing as workshops held in other conferences, many of which I have participated in, but it was very exciting to have the first official word as this new discipline comes of age. This paper will either be published in a journal or worked into a chapter in my forthcoming book on military robotics.

While this sabbatical turned out very differently than I had planed, I am very pleased with the results. Except for the tragedy that began my time off, I was able to make some significant advancements in my research and present it at some of the premier conferences and workshops in my discipline.

I would like to thank the University for making sabbaticals available to the faculty. This is a vital component of our professional development and I am already bringing what I learned during the sabbatical into my classes and I will be offering an upper division Philosophy course on Robo-Philosophy next Spring that will directly address the research I have done during my sabbatical.