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- This work was done wholly or mainly while being a candidate for a terminal degree at the University of Tennessee Health Science Center.
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- I have acknowledged all other main sources of help (e.g., lab assistance, joint work on projects, consultations/discussions with colleagues/experts, funding).
- Where the dissertation is based on work done jointly with others, I have made clear what I contributed (see next page).

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See digital reply with confirmation.

Advisor Name: Denis J. DiAngelo

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**Declaration of Personal Contributions to Previously Published Articles
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Articles with several authors incorporated into my ET/D and my contributions to them:

- **Chapter 3**
- **Citation:** Chung, C. L. & DiAngelo, D. J. (2018). Design and validation testing of a dynamic ankle orthosis. *MOJ App Bio Biomech*, 2(3), 210–215.
<https://doi.org/10.15406/mojabb.2018.02.00069>
- **My significant contributions:** Study conception and design, execution of study protocol and methodology (including pilot testing, subject recruitment, software development, equipment validation, acquisition of data), analysis and interpretation of data, creation of figures and other visualizations, original drafting the article, critical review and editing of article for important intellectual content, approval of the final submitted version of the manuscript, and project administration.

- **Chapter 4**
- **Citation:** Chung, C. L., DiAngelo, D. J., Powell, D. W., & Paquette, M. R. (2020). Biomechanical Comparison of a New Dynamic Ankle Orthosis to a Standard Ankle-Foot Orthosis During Walking. *J Biomech Eng*, 142(5). <https://doi.org/10.1115/1.4045549>
- **My significant contributions:** Study conception and design, execution of study protocol and methodology (including pilot testing, subject recruitment, software development, equipment validation, acquisition of data), analysis and interpretation of data, creation of figures and other visualizations, original drafting the article, critical review and editing of article for important intellectual content, approval of the final submitted version of the manuscript, and project administration.

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