

Gregory D. Wolf

Curriculum Vitae

PERSONAL DETAILS

Birth February 22, 1996
Address 31 North Randall Ave. Apt 3, Madison, WI 53715
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EDUCATION

BSc. Biomedical Engineering 2014-2018

University of Wisconsin - Madison

- GPA: 3.272
- National Merit Scholar Commended
- AP Scholar with Distinction

WORK EXPERIENCE

Undergraduate Research Assistant 2015-present

University of Wisconsin - Madison, Part-time

- Set up and programming of data collection and monitoring system for stem-cell project
- Biomechanical vessel testing, both uniaxial and biaxial
- Isolated lung studies

Emissions Engineering Intern 2015-2016

AVL Plymouth, MI, Summer Full-time

- Repaired and utilized various chemical analyzers
- Designed new testing facilities to comply with EPA emissions regulations
- Programmed flow rate optimization software for CVS analyzer

Thyroid Exam Simulator 2017-2018

University of Wisconsin - Madison, Design Project

- Design and fabrication of teaching and evaluating tool for medical students
- mbed microcontroller programming skills required to collect data and send commands at the same time
- created cross-platform real-time visual feedback GUI in Qt C++

RESEARCH PUBLICATIONS

Publications in Refereed Journals

- **Journal of Biomechanics.** Golob MJ, Tabima DM, Wolf GD, Johnston JL, Forouzan O, Mulchrone AM, Kelliham HB, Bates ML, Chesler NC. “Pulmonary arterial strain- and remodeling-induced stiffening are differentiated in a chronic model of pulmonary hypertension”
- **Cellular and Molecular Bioengineering.** Golob MJ, Massoudi D, Tabima DM, Johnston JL, Wolf GD, Hacker TA, Greenspan DS, Chesler NC. “Cardiovascular function and structure are preserved despite induced ablation of BMP1-related proteinases”

SKILLS

<i>Languages</i>	English (native language) Spanish (limited working proficiency)
<i>Software</i>	SOLIDWORKS, MICROSOFT OFFICE SUITE
<i>Programming</i>	mbed, C, C++, LabVIEW, C#, R, MATLAB, Python, Java, Android, SQL, L ^A T _E X
<i>Machining</i>	Lathes, Mills, CNC, MIG Welding

REFERENCES

Available upon request