

Evan Kowal - MBA, MENG, BS, BA

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Available effective immediately for in-person or online work

Education

- *In progress*: Master of Business Administration, LeTourneau University, 2025-present, GPA 4.00
- MENG, Biomedical specialization – Letourneau University, GPA 4.00, 2023-2024
- BS Engineering, Biomedical Concentration – LeTourneau University, GPA 3.70 2019-2023
 - Minor in Mathematics
- BA Theological Studies – LeTourneau University, GPA 3.73 2019-2023

Work Experience

- Owner and Chief operator, Greystoke Solutions, LLC – September 2025-Present
- Biomedical Technician I (Contract), MedaSource, - September 2025-November 2025
- Pool Service Technician, American Pool Service – May 2024-July 2025
- Volunteer Biomedical Equipment Technician, Engineering World Health – June 2023-July 2023 (Summer internship)
- Introduction to Engineering Practice II Lab Technician and grader, LeTourneau University – August 2020-May 2024
- Machine Shop Lathing Technician, LeTourneau University – August 2023-May 2024
- Human Anatomy & Physiology Lab Assistant, LeTourneau University – August 2021-May 2024

Publications



- Savannah M. Orton, Erin R. O'Brien, Ashley D. DeCock, Julian J. Lee, Samson A. Segovia, Ian C. Crochet, Oladimeji A. Apaokagi, Evan J. Kowal, Morgan B. Nix, Francis I. Ko, Esther H. Kim, and Joon W. Kim "Non-invasive respiratory rate detection using thermal imaging and facial recognition", Proc. SPIE 12488, Health Monitoring of Structural and Biological Systems XVII, 124881G (25 April 2023); <https://doi.org/10.1117/12.2657803>

- **Frederick, G.D.**, Baliraine, F.N., Kowal, E.J., Meyer, G.J., Manners, S.B., Chrisman, C.L., Apostalo, S.L., Garlena, R.A., Russell, D.A., Jacobs-Sera, D. and Hatfull, G.F. *Mycobacterium phage Phloss, complete genome*. **GenBank**, [Accession Number OP297540.1](https://www.ncbi.nlm.nih.gov/genbank/OP297540.1)



- *In progress*: Evan Kowal, LeTourneau University, *Effects of increased load mass on knee adduction moment and increase in risk of knee osteoarthritis*

Projects

- Security Light replacement, EWH Uganda SI Secondary project (July 2023)
- Noninvasive Respiratory Rate Monitor, LEVIS Senior Design Team, LeTourneau University (August 2022-May 2023)
- Jr. Biomedical Research I & II, LeTourneau University (August 2021-May 2022)
- Prototype Compact Ventilator, PMDE Fall 2020 Team, LeTourneau University (August 2020-November 2020)

Leadership Positions

- Head of App development, LEVIS Senior Design team – August 2022-May 2023
- Lead Spiritual Life Assistant, LeTourneau University – August 2022-May 2023
- MuKappa Club President, LeTourneau University – August 2020-April 2022
- Nursing Liaison, PMDE Team, LeTourneau University – August 2020-November 2020

Skills

- Lean Six Sigma Green Belt certified (2024)
- Lean Six Sigma Black Belt certified (2025)
- Microsoft Office Suite
- Cross-cultural experience (bilingual Indonesian)
- Python Coding
- MATLAB Coding
- Teachable
- Detail Orientated
- Audio-Visual Experience
 - App development
 - Video editing
- Listener

Relevant Coursework

Graduate School

- Christian Approach to Engineering Leadership
- Continuous Improvement I & II
- Entrepreneurship
- Biomedical Research II
- Biomechanics II
- Biosignal Analysis
- Biological Control Systems
- Design and Analysis of Engineering Experiments
- Advanced Engineering Mathematics
- Organizational Behavior and Development

Undergraduate

- Project Management, design, and entrepreneurship
- Bioinstrumentation
- Jr. BME Research I
- Biomechanics I
- Electrical Circuits
- Materials Engineering
- Ministry of Teaching
- Speech Communication
- Human Anatomy I & II

References

- Dr. Ashley Heida
 - Engineering World Health OTGC – Uganda Summer Institute 2023
 - (+1) 763-269-2051
 - Ashley.heida00@gmail.com
- Mr. John Tixier
 - Professor, Supervisor – LeTourneau University, Longview TX
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- Dr. Joonwan Kim
 - Professor, Team Supervisor – LeTourneau University, Longview TX
 - (+1) 903-233-3920
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- Mark Iwan
 - Owner, Head supervisor – American Pools, Longview TX
 - (+1) 903-738-0693
 - Mark@americanpoolservices.com